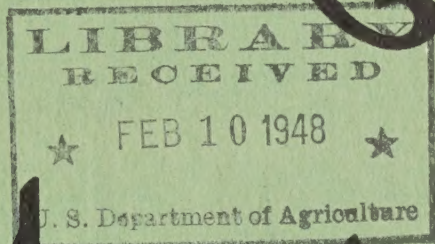


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Do not assume content reflects current scientific knowledge, policies, or practices.

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St. Louis Seed Co.



SEED ANNUAL

1948



ST. LOUIS SEED CO.

411 NORTH BROADWAY ST. LOUIS 2, MO.

1948 Annual Catalog

WE WANT OUR CATALOG to be a friendly medium of contact and amicable business relations. We have endeavored to give cultural directions in conjunction with the various varieties wherever possible.

When we advertise "Pure and Sure Seeds" we mean that our customers receive seeds which have been tested under varying conditions prior to sale; thus reducing to a minimum the possibility of failure.

Serving the Market Gardener, Farmer and Amateur for years, we have always kept before us the importance of "Pure and Sure Seeds" of the highest quality.

That we have succeeded in our efforts to furnish seeds of this High Quality during the years we have been in business is shown by the very gratifying increase which our business has shown year by year. We have been favored, too, with remarkably loyal support on the part of our customers, many of whom started to trade with us years ago and are with us yet. To old and new customers alike we are sincerely grateful.

Suggestions for Ordering

Phone Central 4100.

Phone Central 4100.

ORDER EARLY

WE WISH TO IMPRESS UPON YOU THE ADVANTAGE OF EARLY ORDERING. It is not only a convenience to us but it is also for your sake that we request this. Avoid the spring rush and have your seeds when you want them. They will not spoil, and the delay necessarily attendant during the spring will be eliminated. You will not be waiting for your seeds, when you should be planting. Our service will please you even during the busy season. Send your order now.

Remittances should be made by Post Office Money Orders, Drafts on St. Louis Banks, or Express Money Orders. Where it is not possible to obtain these, the letter should be registered. We cannot guarantee receipt of money sent in any other way.

Goods desired C. O. D. must be accompanied by a partial remittance to guarantee acceptance.

In filling out your orders always give Shipping Directions, and write Name and Address distinctly on each and every order.

PARCEL POST: Customers on R. F. D. routes, and beyond express delivery will aid us by stating: "Goods reach us by Parcel Post only," to avoid mistakes in sending by express.

ALL PRICES ON VEGETABLE SEEDS are net, but on PACKETS, up to 5 LBS., WE PREPAY POSTAGE, EXCEPT WHEN NOTED.

PURCHASER PAYS TRANSPORTATION on Plants, Shrubs, Potatoes, Farm Seeds, Grass Seeds, Implements, Sundries and Poultry Supplies; also Garden Seed in amounts over 5 pounds.

EXPRESS AND FREIGHT CHARGES on large quantities are cheaper than Parcel Post. We charge no cartage to depots or the Express Company offices, nor do we charge for boxes, packing or for small muslin bags.

When seamless cotton bags are required they must be remitted for; 50c each.

THE PRICES QUOTED IN THIS CATALOG ARE NET. We reserve the right to advance prices without notice should current conditions require it.

We Make a Specialty of Grass Seed
for Lawns and Athletic Fields, and invite
your inquiries concerning formulas to meet special needs

PLEASE NOTE—ABOUT WARRANTING SEEDS

NON-WARRANTY. Most of the failures with seeds, plants and bulbs are due to causes entirely beyond our control, such as unfavorable weather or soil conditions, too deep or too shallow planting, etc., which renders it impossible for us to guarantee success, and although we take all possible care to supply only such goods as will, under proper conditions, produce satisfactory results, we still give no warranty, express or implied, as to productiveness of any of the seeds, plants or bulbs we send out, and will not be in any way responsible for the crop. Our liability in all instances is limited to the purchase price of the seeds, plants or bulbs and every order for articles named in this Catalog will be executed on these conditions only. It must, however, be plain to everyone who gives the matter the slightest thought that it is to our best interests to send out only such stock as will not only grow, but prove true to name and description.

ST. LOUIS SEED COMPANY

St. Louis Seed Co.'s Reliable Grass Seed

Prices subject to change without notice.

All our Lawn Grasses are re-cleaned and tested for highest quality, purity and germination.

One pound of Lawn Seed will sow 10 x 30 feet; 75 to 100 pounds to the acre.

The essentials for a fine lawn are a rich, well drained soil; the soil should be spaded or plowed at least eight inches deep, then enriched with a good dressing of Wizard Sheep or Cattle Manure, 100 lbs. to 1000 sq. ft., or Bone Meal, 125 lbs. to 2000 sq. ft. Careful preparation of the ground, making it as fine and smooth and mellow as possible; a wise selection of seeds; sowing at such a time to give the young plants a chance to become well established before being subjected to very dry weather or to the direct

rays of the hot summer sun. Too much care cannot be bestowed upon the selection of grasses, as some varieties are the most luxuriant in spring, others in summer, others again in autumn and a combination of the proper sorts is required for a perfect, carpet-like lawn. It may be planted early in spring or fall and should be sown at the rate of 75 to 100 pounds per acre. If sown in the spring, sow as early as possible.

Never work your soil while wet. This will sour the soil and your lawn will turn yellow during the growing season.

St. Louis Seed Co.'s Havalawn Grass Seed

Havalawn is a mixture of the finest re-cleaned grass seed, a balanced mixture of Kentucky Blue, Red Top, Bent, Fescue and White Clover, the best sod and lawn producing grasses. Havalawn insures a steady succession of growth. Only seeds that produce fine velvety lawns are used. One lb. will sow 300 sq. ft.; 75 to 100 lbs. per acre.

1 lb., 75c; 3 lbs., \$2.20; 5 lbs., \$3.65; 10 lbs., \$7.20; 25 lbs., \$17.75; 100 lbs., \$70.00.

SHADY LAWN MIXTURE. This mixture is intended for situations in partial or complete shade of trees.

1 lb., 75c; 3 lbs., \$2.20; 5 lbs., \$3.65; 10 lbs., \$7.20; 25 lbs., \$17.75; 100 lbs., \$70.00.

QUICK RESULTS MIXTURE. This is intended for yards, playgrounds, etc., that are not intended to be kept cut closely, and where grass is wanted quickly to cover unsightly places.

1 lb., 50c; 3 lbs., \$1.45; 5 lbs., \$2.40; 10 lbs., \$4.70; 25 lbs., \$11.50; 100 lbs., \$45.00.

TERRACE MIXTURE. Composed of varieties which make strong roots to hold terraces and embankments.

1 lb., 75c; 3 lbs., \$2.20; 5 lbs., \$3.65; 10 lbs., \$7.20; 25 lbs., \$17.75; 100 lbs., \$70.00.

BLUE GRASS, KENTUCKY (*Poa pratensis*). Fancy extra re-cleaned. Kentucky Blue Grass is the most hardy and valuable of all grasses.

1 lb., 60c; 3 lbs., \$1.75; 5 lbs., \$2.90; 10 lbs., \$5.70; 25 lbs., \$14.00; 100 lbs., \$55.00.

BLUE GRASS, CANADIAN (*Poa compressa*). A very hardy perennial grass with creeping root stocks.

1 lb., 60c; 3 lbs., \$1.75; 5 lbs., \$2.90; 10 lbs., \$5.70.

BENT-ASTORIA (*Agrostis Tenu's*). A very fine-bladed grass producing a thick turf.

1 lb., \$1.90; 5 lbs., \$9.25.

BENT, CREEPING (*Agrostis Species*). Its rapid growth and stoloniferous roots form a strong, enduring turf which withstands hard usage.

1 lb., \$1.90; 5 lbs., \$9.25.

BENT, SEASIDE (*Agrostis maritima*). This is the variety which was first identified in Oregon. It is a hardy creeping variety forming close mat-like sward.

1 lb., \$1.90; 5 lbs., \$9.25.

BERMUDA (*Cynodon dactylon*). It is of dwarf habit with long creeping stems, rooting at the joint and covering the ground with a matting of fine turf.

1 lb., 75c; 3 lbs., \$2.20; 5 lbs., \$3.65; 10 lbs., \$7.20.

FESCUE, MEADOW (*Festuca pratensis*). This grass is also called English Blue Grass; flat and bright green.

1 lb., 40c; 3 lbs., \$1.15; 5 lbs., \$1.90; 10 lbs., \$3.70; 25 lbs., \$9.00; 100 lbs., \$35.00.

POA TRIVIALIS. An ideal grass for shade. A spreading, thickly matting stoloniferous-rooted species; leaf blades narrow, flat and dark green. Forms a fine turf and adapted for shady situation. Thrives on moist and stiff clay lands.

1 lb., \$1.25; 3 lbs., \$3.70; 5 lbs., \$6.15; 10 lbs., \$12.20.

CHEWINGS' FESCUE. (New Zealand-Grown). Does well in sandy soils, and in the shade. Sow either spring or fall.

1 lb., \$1.00; 3 lbs., \$2.95; 5 lbs., \$4.90; 10 lbs., \$9.70.

ROCK GRASS. A quick growing grass for planting on ornamental clay heads; pigs, bulb bowls, etc.

Pkt., 10c.

RED TOP, FANCY (*Agrostis palustris*). Red Top is a remarkable grass accommodating itself to a variety of soils and conditions. It is strongly drought-resistant.

1 lb., 40c; 3 lbs., \$1.15; 5 lbs., \$1.90; 10 lbs., \$3.70; 25 lbs., \$9.00; 100 lbs., \$35.00.

RYE GRASS. Succeeds well on almost any soil, but is particularly adapted to moderately moist lands.

1 lb., 25c; 3 lbs., 70c; 5 lbs., \$1.15; 10 lbs., \$2.20; 25 lbs., \$5.25; 100 lbs., \$18.00.

RYE GRASS (Perennial). Very valuable variety. Succeeds well on almost any soil, but is particularly adapted to moderately moist lands.

1 lb., 40c; 3 lbs., \$1.15; 5 lbs., \$1.90; 10 lbs., \$3.70; 25 lbs., \$9.00; 100 lbs., \$35.00.

TIMOTHY (*Pheleum pratense*). Used mostly for its hay crop, but is also used in lawn mixtures.

1 lb., 20c; 3 lbs., 55c; 5 lbs., 90c; 10 lbs., \$1.70; 25 lbs., \$4.00; 100 lbs., \$15.00.

CLOVER FOR LAWNS

WHITE or DUTCH. A low growing Clover. Very desirable for beautifying the lawn. One pound covers 600 square feet.

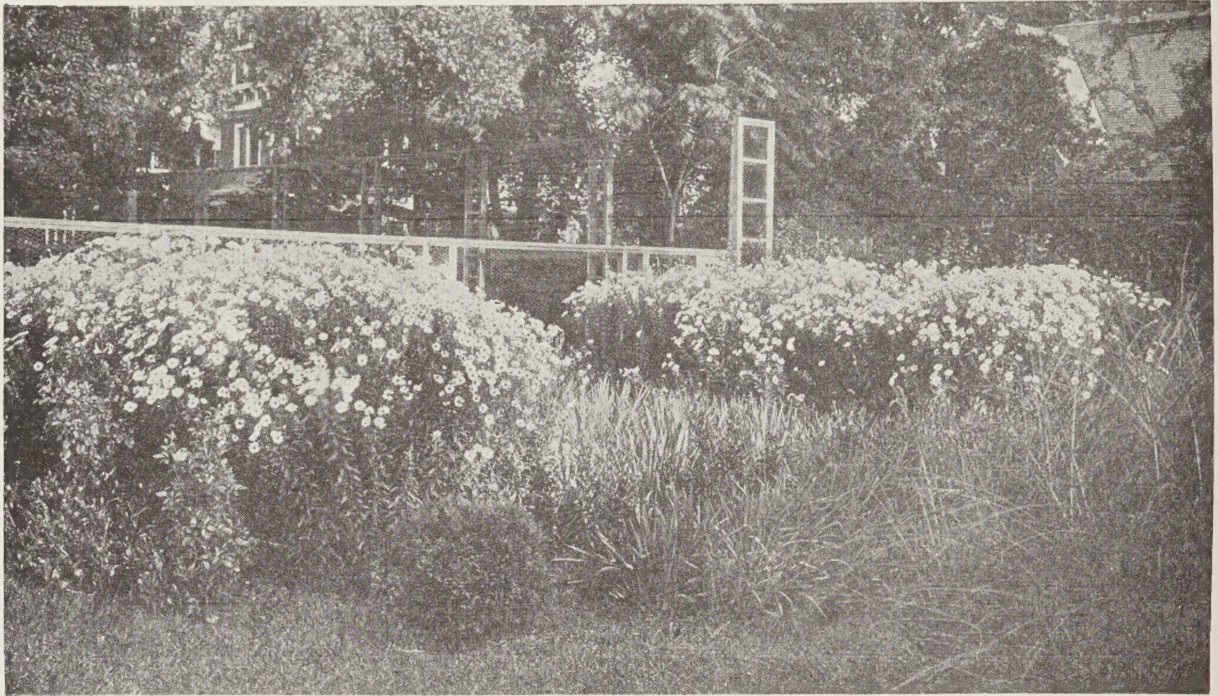
1 lb., \$1.00; 5 lbs., \$4.75; 10 lbs., \$9.20.

EROSIONET

EROSIONET is a strong, economical, open-mesh fabric. When placed over any seeded surface, its square mesh forms millions of tiny dams which catch and hold your seed and sod firmly in place. 45 inches wide.
Per yard, 15c.

HAVE YOUR SOIL ANALYZED FOR A BETTER
LAWN AND BETTER GARDEN
See Inside Back Cover

Pure and Sure Flower Seeds for 1948



Explanation of the letters employed in the following list: The letter (A) designates Annuals; (B) Biennials; (P) Perennial; (TP) Tender Perennial.

ACHILLEA (P)

The Pearl. An easily grown plant, about 2 ft. high, bearing clusters of white flowers. Excellent for cutting. Does well in partial shade. Blooms from June to September. Germination 12 days. Pkt., 15c; $\frac{1}{8}$ oz., 50c.

ACONITUM (P)

Napellus Blue. Stately spikes of showy helmet-shaped flowers. The plants resemble Delphiniums in form and bloom during July and August. Germination 2 to 4 weeks. Pkt., 10c.

ACROCLINIUM (Everlasting Flowers) (A)

Pretty little daisy-like flowers. Rose, pink and white. For winter bouquets they should be cut before they become fully expanded. One foot high. Germination 7 to 12 days.

Mixed. Pkt., 10c; $\frac{1}{4}$ oz., 35c.

AGERATUM (Floss Flower) (A)

A most satisfactory plant for bedding or edging. Very easily grown. Blooms freely all summer, stands drought. Germination 7 to 14 days.

Blue Cap. Very dwarf, 4 inches, deep blue, free flowering. Pkt., 10c; $\frac{1}{16}$ oz., 35c.

Blue Ball. Clear blue. Compact plants. 6 inches. Pkt., 10c; $\frac{1}{16}$ oz., 35c.

Imperial Dwarf Blue. A choice bedding variety. Pkt., 10c; $\frac{1}{16}$ oz., 30c.

AGROSTEMMA (Rose Campion) (P)

Coronaria. Beautiful free flowering plants with gray-green foliage and deep crimson flowers. Seed sown early (February or March) will bloom the first year. $2\frac{1}{2}$ feet tall. Germination 12 to 20 days. Pkt., 10c; $\frac{1}{4}$ oz., 30c.

ALYSSUM, Sweet (A)

Fragrant flowers are produced in profusion throughout the season. Blooms in six weeks after seed has been sown. Thin or transplant four inches apart. Germination 7 to 10 days.

Carpet of Snow. The finest edging variety, producing a rounded mass of pure white flowers. A continuous bloomer. Height 4 inches. Pkt., 10c; $\frac{1}{4}$ oz., 35c.

Little Gem. A dwarf graceful plant, with tiny fragrant white flowers. 4 inches. Pkt., 10c; $\frac{1}{4}$ oz., 35c.

Lilac Queen. Delicate lilac flowers, especially attractive in autumn. 6 inches. Pkt., 10c; $\frac{1}{4}$ oz., 35c.

Violet Queen. Plants dwarf, compact. Free flowering, fragrant. Color deep violet. Pkt., 10c; $\frac{1}{4}$ oz., 35c.

Saxatile (Basket of Gold) (Perennial). The golden yellow flowers, completely cover the compact plants in early spring. Height 9 inches. Seed germinates in 20 to 30 days. Pkt., 10c; $\frac{1}{4}$ oz., 35c.

AMARANTHUS (A)

Beautifully colored foliage plants that succeed best in sunny rather dry locations. Seed germination in 14 days.

Tricolor (Joseph's Coat). Brilliant scarlet, yellow and green foliage. Pkt., 10c; $\frac{1}{4}$ oz., 35c.

Choice Mixed: Variegated and solid colors. Pkt., 10c; $\frac{1}{4}$ oz., 30c.

ANCHUSA (P)

Italica (Dropmore). Does best in well drained situation and prefers partial shade. Flowers of deep gentian blue produced on drooping sprays from May to July. Germination 18 to 24 days. Pkt., 10c; $\frac{1}{4}$ oz., 35c.



Aquilegia

ANEMONE (Windflower) (P)

A glorious flower in late summer and fall. Long stemmed blossoms of white, flesh tinted cream, pink and rose. Blooms from August to October. Height 2 ft. Germination 6 weeks.

Mixed. Pkt., 15c.

ANTHEMIS (Hardy Marguerite) (P)

Tinctoria. Golden daisy-like flowers and fern-like foliage. Seed sown early will bloom the first season. Bloom from June to frost. Germination 10 days. Pkt., 10c; 1/4 oz., 50c.

**ANTIRRHINUM (Half-hardy Perennial)
(Snapdragon)**

Used as annuals. Used for bedding and make excellent cut flowers. Snapdragons thrive in any good garden soil. Seed may be sown outdoors in late fall or early spring. Germination 7 to 12 days.

Maximum (Giant Flowering) (Rust Resistant).

Large flowers, closely placed on the spike. Height 3 ft.

Alaska. White.

Crimson. Fiery crimson red.

Copper King. Copper scarlet.

Daffodil. Golden yellow.

Loveliness. Soft rose.

Swingtime. Rose pink.

Pkts., each, 15c; 1/8 oz., 60c.

Maximum Mixed. Pkt., 15c; 1/8 oz., 50c.

Antirrhinum, Continued

Large Flowering Half Dwarf. Height 18 inches. Mixed. Pkts., 10c; 1/8 oz., 40c.

Tom Thumb.

Magic Carpet. Delightful, semi-creeping plants loaded with flowers in exceedingly bright colors for rock gardens, edgings, beds. Pkt., 20c; 1/16 oz., 35c.

Tetraploid Burpee (tetra for short) are the largest flowered of all snapdragons, many attractively ruffled; stems are stouter, plants stronger and a trifle taller than regular varieties, base branching, central spike 2 1/2 ft. tall surrounded by many lateral spikes of lesser height. Make a grand showing in the garden and furnish an abundance of long-stemmed flowers for cutting. Lovely colors and combinations. Pkt., 25c.

AQUILEGIA (Columbine) (P)

The aquilegias are among the most beautiful and popular of hardy plants. Foliage very attractive; good cut flower. Best in partial shade.

Crimson Star. Red. Long spurred. Pkt., 25c.

Rose Queen. Rose pink. Long spurred. Pkt., 15c.

Snow Queen. White. Long spurred. Pkt., 15c.

Chrysantha. Bright yellow. Long spurred. Pkt., 10c; 1/16 oz., 30c.

Imperial Long Spurred Hybrids. The finest of the long spurred Columbines. Many colors including red, pink, yellow, blue and white shades. Pkt., 25c; 1/16 oz., 75c.

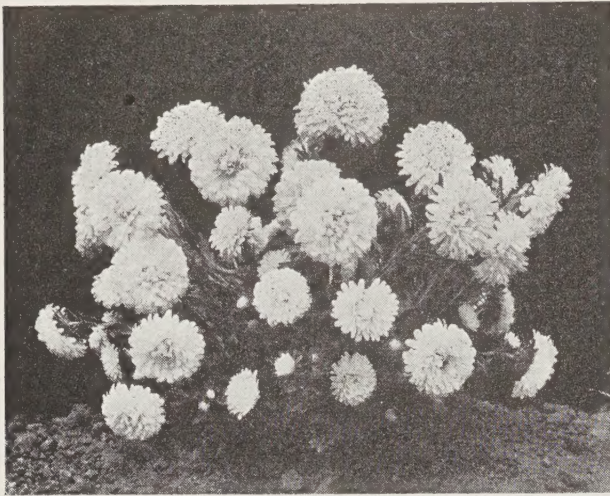
Mrs. Scott Elliott's. Long spurred hybrids. Many fine color combinations, having extremely long spurs, good stems and large blooms. 2 1/2 to 3 ft. Pkt., 15c; 1/16 oz., 50c.

Coerulea. Light blue and white. 14 inches. Pkt., 15c.

Double. Mixed colors. 12 inches. Pkt., 10c; 1/16 oz., 30c.



Antirrhinum



Aster

APHANOSTEPHUS SKIRROBASIS

(Lazy Daisy) (A)

The flowers are white, reverse of the flower is soft pink. The pink and white together with golden centers give tri-color effects. Foliage is narrow and is hidden from June to October by masses of flowers. 20 in. A cut flower. **Pkt., 20c; 1/16 oz., 40c.**

ARABIS (Rock Cress) (P)

Alpinus. Compact plants, covered with white flowers during April and May. Fine for rockery. Germination 10 days. **Pkt., 10c.**

ARCTOTIS (Blue Eyed Daisy) (A)

Grandis. Grows quickly and blooms all summer. White with lilac center. 2 ft. Fine for cutting. Germination 15 to 20 days. **Pkt., 10c; 1/8 oz., 25c.**

ARMERIA (Sea Pink or Thrift) (P)

Formosa. Armerias are of easiest culture, being hardy and free growers. Compact plants with grass-like foliage and pink clover-like flowers. 12 in. May and June. Germination 14 to 21 days. **Pkt., 15c; 1/8 oz., 50c.**

ASCLEPIAS (Butterfly Weed) (P)

Tuberosa. One of the most attractive plants; flowers borne in clusters are gorgeous orange and make graceful bouquets. Germination 21 to 30 days. **Pkt., 15c; 1/8 oz., 50c.**

Curassavica (A). Oddly formed flowers, buff-gold with orange scarlet centers. An excellent cut flower. 30 in. **Pkt., 15c; 1/8 oz., 35c.**

ASPARAGUS (TP)

The ornamental varieties of Asparagus are highly valued for their feathery sprays. Height 2 to 3 ft. Germination 30 to 45 days.

Plumosus Nanus (Lacefern). Bright green. **Pkt., 10c.**

Sprengeri (Emerald Fern). Used for window boxes and hanging baskets. **Pkt., 10c.**

ASTERS (A)

Queen of the Market (Wilt resistant). Double, well formed flowers with long stems. Fine for cutting. 2½ ft.

White.	Dark Blue.
Peach Blossom.	Light Blue.
Crimson.	Mixed.

Pkt., 10c; 1/4 oz., 50c.

Crego (Giant Improved). Free flowering compact plant about 2 ft. tall. A midseason variety, filling the season between early and late Asters.

Mixed. Pkt., 10c; 1/4 oz., 50c.

American Branching (Wilt resistant). Very free blooming, producing flowers of the broad petal type, slightly incurved and very lasting. Long stems for cutting. 3 ft.

Crimson.	Light Rose.
Lavender.	White.
Purple.	Mixed.
Shell Pink.	

Pkt., 15c; 1/8 oz., 50c.

Baby Aster (Pompon). Plants compact, well branched, 8 to 10 in. tall. Flowers 1½ to 2 inches across with short tightly quilled petals. Early bloomer.

Mixed Colors. Pkt., 10c; 1/8 oz., 50c.

California Giants. Their immense size, beautiful colors, free flowering habit make them great favorites. 3 ft.

Mixed Colors. Pkt., 15c; 1/8 oz., 50c.

Single (China Asters). This strong, vigorous Aster will bloom when all others fail. Single flowers. 2½ in. in diameter with yellow centers. 2 ft.

Mixed. Pkt., 10c; 1/4 oz., 30c.

AUBRIETIA (Rainbow Rock Cress) (P)

Large flowering hybrids. Aubrietias are highly recommended for the rock garden or rock wall. Neat, compact plants and a vivid splash of color in April and May. 6 in. Germination 10 to 14 days.

Mixed Colors. Pkt., 15c.

BALSAM APPLE (Mormordica) (A)

An ornamental vine used mostly for its fruit which is deep orange. When ripe fruit opens and shows its brilliant carmine seeds. Fruits used to make salve and cough syrup. 10 ft. Germinates 8 to 12 days. **Pkt., 10c; 1/2 oz., 50c.**

BALSAM (Lady Slipper) (A)

Beautiful plants with double flowers 2 in. in diameter. Flowers in great profusion all summer. Seed germinates in 8 to 10 days.

Camelia Flowered. Mixed. Pkt., 10c; 1/8 oz., 35c.
Rose Flowered. Mixed. Pkt., 10c; 1/8 oz., 35c.

Torch (Bush Balsam). Very compact plants, 8 to 10 in. tall. Unlike the taller Balsams, the flowers are carried at tips of stems, making a show of color rather than foliage. Color bright vermilion red. **Pkt., 25c; 1/4 oz., 75c.**

Bush Flowering.

Double Mixed. Pkt., 25c; 1/4 oz., 75c.



Calliopsis

BAPTISIA (False Indigo) (P)

Australis. Large lupin like spikes of clear deep blue. Foliage very attractive. Blooms in June. 5 ft. Germination 18 to 30 days. **Pkt., 15c; 1/4 oz., 50c.**

BEGONIA (TP)

Sturdy plants with glossy foliage and profuse bloom. The seed should be started under glass.

Prima Donna. Light rose. **Pkt., 15c.**

Luminosa. Fiery dark scarlet. **Pkt., 15c.**

Fine Mixed. **Pkt., 15c.**

BELLIS PERENNIS

(Double or English Daisy) (P)

Low growing plants bearing large blooms. Its cheerful early bloom has made it a favorite bedding plant.

Red. **White.**

Rose. **Mixed.**

Pkt., 15c; 1/16 oz., 50c.

BOCCONIA (Plume Poppy) (P)

Cordata. A splendid hardy perennial with beautiful foliage and spikes of creamy white flowers. 6 to 8 ft. July. Germination slow. **Pkt., 10c.**

BOLTONIA (P)

Latisquama. A showy plant bearing in profusion, lavender pink daisy-like flowers. Blooms in September and October. An excellent cut flower. Very drought resistant. 3 to 4 ft. Germination 7 to 10 days. **Pkt., 15c; 1/8 oz., 50c.**

BRACHYCOME (Swan River Daisy) (A)

Iberidifolia. A very graceful annual, 14 in. high, suited to borders and also attractive in pots. **Pkt., 10c; 1/8 oz., 35c.**

BROWALLIA (A)

Speciosa Major. Brilliant dark blue flowers borne in profusion. Excellent border plants; also used for pot plants. They will bloom until frost. 16 in. Germination 14 days. **Pkt., 25c.**

CACALIA (Tassel Flower) (A)

A pretty, free flowering plant with red tassel-like flowers. 18 in. Blooms from June until frost. Germination 10 days.

Mixed. Pkt., 10c; 1/8 oz., 35c.

CALCEOLARIA

(Pouch Plant or Lady Slipper) (TP)

Very attractive pot plants. Colors range through yellow, gold, orange, copper, scarlet crimson with dark spots.

Hybrida Grandiflora. Large flowering.

Mixed. Pkt., 25c.

CALENDULA (Pot Marigold) (A)

Superb annuals which are very easily grown from seed. They start to bloom in early summer and continue until frost. Germination 4 to 10 days.

Bodger's Pastel Mixture. A combination of lighter shades of yellow and orange. Dwarf plants. **Pkt., 10c; 1/4 oz., 35c.**

Chrysantha. Buttercup yellow. **Pkt., 15c; 1/4 oz., 35c.**

Campfire (Sensation). Brilliant orange. **Pkt., 10c; 1/4 oz., 35c.**

Lemon Queen. Rich lemon yellow. **Pkt., 10c; 1/4 oz., 35c.**

Orange King. Bright orange. **Pkt., 10c; 1/4 oz., 35c.**

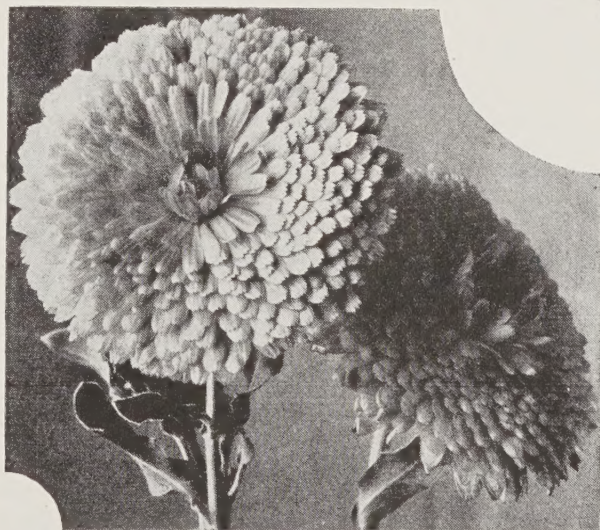
Mixed. Pkt., 10c; 1/4 oz., 30c.

CALLIOPSIS (Tickseed) (A)

Easily grown and exceedingly showy plants, which do well in almost any location. They bloom continuously and are fine for cutting. Germination 8 to 12 days.

Dwarf Superb Mixture. In shades from golden yellow to maroon. **Pkt., 10c; 1/4 oz., 25c.**

Tall Mixed. For beds and borders. 2 to 3 ft. **Pkt., 10c; 1/4 oz., 25c.**



Calendula



Campanula

CAMPANULA (Canterbury Bells) (B&P)

Very attractive flowering plants. Germination 10 to 14 days.

Calycanthema (Cup and Saucer) (B). Erect plants 3 ft. tall, completely covered with large cup-and-saucer-shaped flowers in May and June.

Dark Blue.	Light Blue.
Rose.	White.
Mixed.	

Pkt., 10c; 1/8 oz., 35c.

Medium (Single) (B). 3 ft. tall with large single bell-shaped flowers.

Blue.	Rose.
White.	Mixed.

Pkt. 10c; 1/4 oz., 35c.

Carpatica (Carpathian Hareball) (P). Compact tufts not exceeding 8 inches high. Flowers held erect on wiry stems. It begins blooming in June and continues until October. Fine for edging or rock garden.

Blue. Pkt., 10c.

Pyramidalis (Chimney Bellflower). (P). Produces spikes 3 to 5 ft. tall covered with star-shaped flowers from June until October.

Mixed. Pkt., 15c.

Annual Canterbury Bells. Plants grow about 3 ft. high. Each plant has 6 to 8 spikes of blooms. Seed sown in March or early April will bloom in late summer and autumn of first year.

Mixed. Pkt., 10c; 1/8 oz., 35c.

CANARY BIRD VINE (A)

A beautiful rapid annual climber, the charming little canary-colored blossoms resembling a bird with its wings half expanded. 10 ft. Pkt., 10c; 1/2 oz., 40c.

CANDYTUFT (Iberis) (A)

One of the most popular annuals for borders or rock gardens. Seed germinates in 7 to 12 days.

Giant Hyacinth Flowered. Large spikes, resembling well-formed hyacinths on stout stems. Good for cut flowers. 12 in. White.

Pkt., 10c; 1/4 oz., 30c.

Umbellata. Compact varieties with clusters of small florets. They bloom in about 8 weeks from time of sowing. For succession of blooms, sowings should be made at 2 week intervals.

Mixed Colors. Pkt., 10c; 1/2 oz., 35c.

CANDYTUFT (P)

Hardy Candytuft is of spreading habit and is covered with large flat clusters in late spring. Fine for rock gardens.

Gibraltarica. White, shading to lavender. 8 in. May. Pkt., 10c; 1/4 oz., 35c.

Sempervirens. Pure white flowers. 8 in. May. Pkt., 15c; 1/16 oz., 50c.

CARDINAL CLIMBER (A)

Vigorous vines, 10 to 15 ft. high. Producing an abundance of small bright red tubular flowers with star-shaped rim. Germination 10 days. Pkt., 10c; 1/8 oz., 40c.

CATANANCHE (Cupid's Dart) (P)

Coerulea. A perennial of very considerable beauty, drought resistant, with long stemmed attractive soft blue flowers. Good cut flower. Height 2 ft. Pkt., 20c; 1/8 oz., 40c.

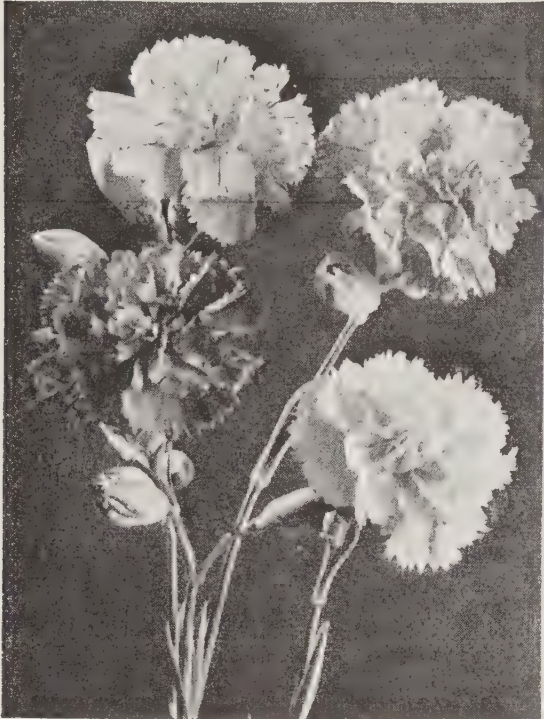
VIGORO TABLETS

Complete Plant Food in Tablet Form

Pkg. 10c



Celosia



Chabaud's Carnation

CARNATION

Their spicy fragrance and bright colors make them a great favorite. Fine for cutting. Seed sown in late summer will bloom the following spring. Germination 7 to 15 days.

Chabaud's Giant.

Dark Red. Deep Rose.
White. Mixed.

Pkt., 15c; 1/8 oz., 50c.

Marguerite. Double flowers on good 14 in. stems. Needs protection in winter. Mixed colors. Pkt., 10c; 1/8 oz., 35c.

Grenadin (P). This carnation has no equal for profuse blooming and hardiness. Double or semi-double blooms. Very fragrant.

Scarlet. White.
Pink. Mixed.

Pkt., 15c; 1/16 oz., 35c.

CELOSIA (Coxcomb) (A)

Vivid blossoms, some like graceful plumes, others forming dense clusters corrugated and frilled at edges. Germination 7 to 10 days.

Flame of Fire (Pyramidalis). Perfect pyramidal formed plants 18 to 20 in. high, branching, and each branch has a proportionately sized bright crimson plume at the end. Pkt., 15c.

Thompsons Magnifica (Plumosa). The finest mixture of feathered Coxcomb. Plants grow 2 1/2 to 3 ft. tall.

Mixed. Pkt., 10c; 1/8 oz., 35c.

Glasgow Prize (Dwarf Coxcomb). Large broad flower heads resembling a rooster's comb. Color dark crimson. Pkt., 10c; 1/8 oz., 45c.

Dwarf Mixed. Pkt., 10c; 1/4 oz., 45c.

Celosia Childsi (see Woolflower).

CENTAUREA

(Cornflower or Bachelor's Button) (A)

One of the most popular annual plants. It will grow anywhere. As a cut flower it is excellent.

Double White. Double Rose.
Double Blue. Double Mixed.

Pkt., 10c; 1/4 oz., 35c.

Imperialis (Sweet Sultan). Large, double finely lacinated flowers on long stems. Desirable cut flower. Height 2 to 3 ft.

Mixed. Pkt., 10c; 1/4 oz., 45c.

Americana. "Has everything" that a good garden flower should have. Strong plants, long stems, beautifully rosy-lilac blooms, delightfully fragrant. Good cut flower. Height 3 ft.

Pkt., 10c; 1/4 oz., 35c.

Montana (Hardy Cornflower) (P). Dwarf, bushy plants with large deep blue flowers. Blooms very early and intermittently through the season. Height 18 in. Pkt., 10c; 1/4 oz., 50c.

ORNAMENTAL LEAVED CENTAUREA (P)

Candidissima. For edging beds where light gray-green foliage is desired. 8 in. Pkt., 10c; 1/4 oz., 50c.

CERASTIUM

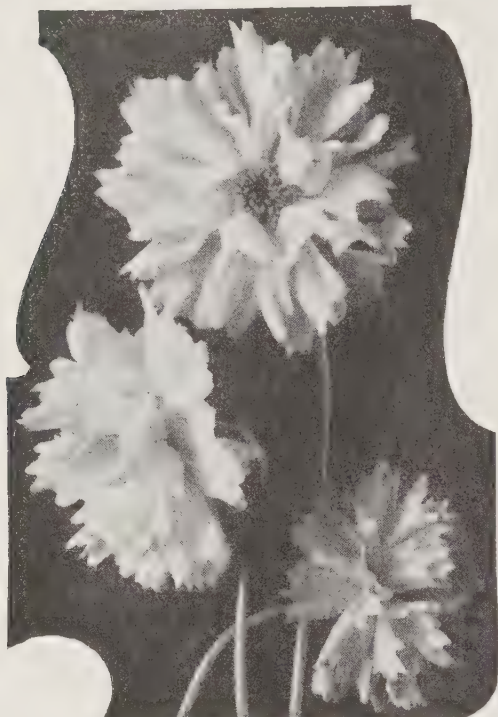
Tomentosum (Snow in Summer) (P). A rapid growing plant particularly adapted to edgings or rock gardens. Small white flowers are produced in great profusion. Blooms in April. Seed germinates in 10 to 14 days. Pkt., 15c; 1/8 oz., 40c.

CHINESE LANTERN (Physalis) (P)

An ornamental plant, 2 ft. high, bearing masses of bright orange lantern-like fruits, which can be cut and dried for winter bouquets. Germination 14 to 20 days. Pkt., 10c.



Centaurea (Bachelor's Button)



Coreopsis—Double

CHEIRANTHUS (Siberian Wallflower) (B)

Allioni. This little plant deserves a place in your rock garden or low border. The upright spikes bear many dazzling orange flowers. Though a hardy biennial it flowers the first season from early sown seed. 10 in. Germination 7 to 12 days. **Pkt., 10c; ¼ oz., 30c.**

CHRYSANTHEMUM (A)

May be grown from seed. Will bloom the first season and produce many new types and colors. Germination 8 to 20 days.

Double Mixed. Produces mostly double flowers in many shades of yellow, pink, red and white. 20 in. Half-hardy. **Pkt., 10c; ¼ oz., 30c.**

Single Mixed. Exquisitely colored daisy-like flowers. Height 1½ ft. **Pkt., 10c; ¼ oz., 30c.**

CINERARIA (TP)

Magnificent flowering plants for conservatory or winter garden. Germination 14 to 20 days.

Giant Prize. 14 in. **Mixed Colors. Pkt., 25c.**

CLARKIA, Elegans (A)

A pretty and easily grown annual. Does best in partial shade. Graceful plants with attractive light green foliage and bearing delicately colored double flowers. 2 ft. Germination 10 days.

Double Mixed. Pkt., 10c; ⅓ oz., 30c.

CLEOME, Gigantea (Spider Plant) (A)

Among the shrubs or in the background where something attractive is wanted, plant Cleome. It will grow in most any soil and bloom throughout the summer. Color, rosy-carmine. Height 3 to 4 ft. Germination 10 days. **Pkt., 10c; ⅓ oz., 35c.**

CLIMBERS MIXED (A)

A mixture of annual climbing plants. Many beautiful colors. **Pkt., 10c; oz., 35c; ¼ lb., \$1.00.**

COBAEA SCANDENS

(Cup and Saucer or Cathedral Bells) (A)

A rapid growing climber with handsome dark green foliage, producing large deep violet bell-shaped flowers. Height 15 ft. Germination 15 to 20 days. **Pkt., 10c; ¼ oz., 35c.**

COLEUS (TP)

Ornamental foliage plants. Velvety leaves in many shades of red, green and yellow. Used for edging flower beds, window boxes, etc. Germination 12 to 20 days.

Rainbow Mixture. Pkt., 25c.

CORAL FLOWER (Talinum paniculatum) (A)

A garden flower with jewel-like daintiness with slender 30-inch stems that bear hundreds of five-pointed stars luminous rosy pink; these are followed by airy, long hanging capsules like polished coral beads. Desirable for cutting. **Pkt., 15c; 1/16 oz., 50c.**

COREOPSIS (P)

Very showy, free blooming plants, easily raised from seed and grow in most any soil. Germination 5 to 10 days.

Lanceolata, Grandiflora. Deep yellow single flowers, growing 2 to 3 ft. high, from June to August. **Pkt., 10c; ¼ oz., 30c.**

Lanceolata, Grandiflora (Double). Same habit as above with double yellow flowers. **Pkt., 15c; ¼ oz., 40c.**

Mayfield Giant. Large golden yellow daisy-like blooms with fluted petals. Produced on long stems, fine for cutting. **Pkt., 10c; ¼ oz., 30c.**

**For a Better Lawn Sow
HAVALAWN GRASS SEED**



Cleome



COSMOS (A)

Beautiful plant, growing 3 to 6 ft. in height, producing its attractive flowers from late summer until frost. Excellent cut flowers. Germination 8 to 10 days.

Sensation. Comes into bloom exceptionally early and has the largest flowers of the Cosmos family. 4 ft.

Mixed Colors. Pkt., 15c; 1/4 oz., 40c.

Mammoth Early Cosmos. The petals are broad-oval, forming a circular flower of perfect symmetry. Height 4 ft. Blooms from late July until frost.

Crimson. White.
Pink. Mixed.

Pkt., 10c; 1/4 oz., 35c.

Giant Late Blooming. Plant grows 6 to 8 ft. high. Produces many large flowers in beautiful colors from September until frost.

Lady Lenox. Pink.
Lady Lenox. White.
Crimson.

Pkt., 10c; 1/4 oz., 30c.

Giant Late Mixed. Pkt., 10c; 1/4 oz., 30c.

Double Crested Cosmos (Early). Height 3 to 5 ft. Double or semi-double flowers with contrasting tuft or crest in center.

Pink. White.
Crimson. Mixed.

Pkt., 15c; 1/8 oz., 45c.

Orange Flare. Vivid orange blooms are produced freely throughout the summer. Good cut flower. Height 2 to 3 ft. Pkt., 15c; 1/4 oz., 40c.

COTTON (A)

Grown for winter bouquets. Attractive plants and Hibiscus-like blossoms. Easily grown. Germination 8 to 12 days. 3 ft. Pkt., 10c; oz., 15c.

CYNOGLOSSUM (A)
(Chinese Forget-Me-Not)

Amabile. Strong plants, 18 to 24 in. high, producing sprays of intense blue Forget-me-not-like flowers. Good cut flower. Fragrant. Germination 6 to 10 days. Pkt., 10c; 1/4 oz., 35c.

CYPRESS VINE (Ipomoea Quamoclit) (A)

A beautiful annual vine, blooming from mid-summer until frost. Star-like flowers and beautiful lace-like foliage. Germination 10 to 20 days. 15 ft.

Scarlet or Mixed. Pkt., 10c; 1/4 oz., 50c.

DAHLIA (TP)

Seedlings do not come true to color or type. Dahlias will bloom the first year from early sown seed, and produce roots that may be dug, stored in sand and planted again the next season. Germination 5 to 20 days.

Double Mixed. Pkt., 25c; 1/8 oz., 75c.

Unwin's Dwarf Dahlias. Plants 2 ft. high, double and semi-double flowers.

Mixed Colors. Pkt., 25c; 1/8 oz., 50c.

DAHLBORG DAISY (A)
(Thynophylla tenuiloba)

Shoots of aromatic gold for more than four months. By far the best edging or low bedding annual in bright yellow. 6 in. Pkt., 20c; 1/16 oz., 50c.

DAISY, SHASTA (P)

Alaska. Free flowering plants, large white flowers with yellow center. Excellent cut flowers. Germination 8 to 20 days. Pkt., 10c; 1/8 oz., 35c.

AFRICAN DAISY (See Dimorphotheca)

ENGLISH DAISY (See Bellis, page 5)

TAHOKA DAISY (See page 22)

DATURA (Angels Trumpet)

An exceedingly fine variety, bearing great trumpet-like flowers 6 to 8 in. long. Height 3 ft. Germination 10 days.

Wrightii. White, shaded lavender. Pkt., 10c; 1/4 oz., 30c.



Shasta Daisies

Delphinium—Continued



Delphinium

DELPHINIUM (P)

Stately and handsome summer flowering perennials, especially valuable for supplying the garden with shades of blue. Delphiniums require a rich, well drained soil. The plants are best grown in groups. Allow 12 to 18 in. between the plants. Germination 10 to 35 days.

Pacific Giants. The finest Delphiniums. Florets 2½ in., well spaced in tapering spikes.

Galahad Series. White. Pkt., 35c; 1/32 oz., 75c.

Guinevere Series. Light pinkish lavender. Pkt., 35c; 1/32 oz., 75c.

Summer Skies Series. Clear blue with white bee. Pkt., 35c; 1/32 oz., 75c.

Mixed Colors. Pkt., 35c; 1/16 oz., 75c.

Blackmore Langdon Hybrids. The flowers are large, erect spikes. Color in delicate shades of blue, mauve and purple. Pkt., 25c; 1/8 oz., 75c.

Belladonna Improved (Cliveden Beauty). Large spikes, clear light blue flowers. Pkt., 15c; 1/8 oz., 50c.

Bellamosum Improved. A dark blue form of Belladonna. Pkt., 15c; 1/8 oz., 50c.

English Wrexham (Hollyhock Strain). This mixture contains all the colors in Delphiniums. Large, single and double flowers. Pkt., 25c; 1/8 oz., 75c.

Gold Medal Hybrids. Plants are strong and vigorous, with long spikes and large flowers. The colors range from palest sky blue to purple. Pkt., 15c; 1/8 oz., 40c.

Chinensis.

Blue Mirror. A new type of Delphinium with clear bright navy blue wide open flowers, are without spurs and face upward. Very attractive for low borders and cutting. Blooms the first year from spring sown seed. 15 in. Pkt., 25c; 1/8 oz., 75c.

DIANTHUS (Pinks) (A)

Flowers are large and of most brilliant colors, varying from pure white to rich crimson. Many are beautifully laced or striped. Germination 5 to 15 days.

Sweet Swivelsfield. A hybrid cross between Dianthus Allwoodi and Sweet William. Seed started indoors in January and planted out in April will begin flowering in May. Height 10 in. Pkt., 15c.

Fireball. Large double scarlet flowers. Compact plants. Height 10 in. A continuous bloomer. Pkt., 10c; 1/8 oz., 35c.

Laciniatus Double. Large double or semi-double flowers. Many vivid colors. Blooms all summer. Height 12 in. Mixed. Pkt., 10c; 1/4 oz., 35c.

Chinese Double. Flowers in clusters, many bright colors. Mixed. Pkt., 10c; 1/4 oz., 30c.

Perennial Dianthus (Grass or Spice Pinks).

Allwoodi. Flowering continuously from April until October. Double and semi-double flowers. Height 6 in. Mixed Colors. Pkt., 20c.

Caesius Grandiflora (Cheddar Pinks). Plants form dense tufts, bright rose pink, sweet scented. Flowers produced in May and June. Height 4 in. Pkt., 15c; 1/4 oz., 50c.

Latifolius. Double scarlet. A continuous bloomer. Pkt., 10c; 1/8 oz., 35c.

Plumarius, Cyclops. Single flowers, deep rose with crimson eye. Very fragrant. A continuous bloomer. Height 8 in. Pkt., 10c.

Plumarius, Single (Pheasant's Eye). A mixture containing all shades. Noted for its fragrance. Height 10 in. Pkt., 10c; 1/4 oz., 35c.

Plumarius, Double. Same as above with double flowers. Pkt., 10c; 1/8 oz., 35c.

Westwood Beauty (All American selection for 1946). It grows 12 to 15 in. high, flowers similar to the largest flowering Chinensis varieties. Color ranges from fiery crimson red to a very deep velvet-red. Pkt., 25c.



Didiscus

DICTAMNUS (Gas Plant) (P)

A very showy border plant, growing 3 ft. high, producing spikes of curious white and pink striped flowers. It is not advisable to disturb the plants very often, as they improve with age, producing taller flower stems and more of them as the plants grow older. Pkt., 15c.

DIDISCUS (Blue Lace Flower) (A)

Coeruleus. Seed sown in early spring will bloom from July until frost. The lacy flowers are lavender blue and are fine for cutting. Germination 12 to 20 days. Pkt., 10c; 1/4 oz., 35c.

DIGITALIS (Foxglove) (P)

Handsome plants. Have tall spikes of showy flowers during June and July. Height 3 to 5 ft. Germination 10 to 15 days.

Mixed. Pkt., 15c; 1/4 oz., 50c.

DIMORPHOTHECA (African Golden Daisy) (A)

Spreading plants, producing many large daisy-like blossoms. Dark centers common to all varieties enhance their beauty. Germinate 10 to 20 days.

Mixed. Pkt., 10c; 1/8 oz., 30c.

DOLICHOS (Hyacinth Bean) (A)

A rapid growing climber, producing spikes of pea-like flowers and deep green heart-shaped leaves. Height 15 ft. Germination 8 to 12 days.

Mixed. Pkt., 10c; oz., 25c.

ECHINOPS (Globe Thistle) (P)

Ritro. Striking hardy plants, with handsome silvery thistle-like foliage and fine steel-blue flowers in round heads, which can be used for cutting. 2 to 3 ft. July. Pkt., 10c; 1/4 oz., 35c.

ESCHSCHOLTZIA (California Poppies) (A)

When grown in masses, scarcely any plant produces a greater effect. Plants grow from 15 to 20 in. in diameter and are 12 in. high, blooming in 60 days after germination.

California. Bright yellow. Pkt., 10c; 1/2 oz., 35c.

Carmine King. Carmine rose. Pkt., 10c; 1/2 oz., 35c.

Mixed. Pkt., 10c; 1/2 oz., 35c.

EUPHORBIA (A)

Variegata (Snow on the Mountain). Green foliage, margined white. Grows well in poor, dry soil. Height 2 to 4 ft. Pkt., 10c; 1/2 oz., 35c.

Heterophylla (Mexican Fire Plant or Summer Poinsettia). A garden plant resembling the beautiful hothouse Poinsettia. Easily grown from seed in sunny garden. May be used for pot plant. Height 2 1/2 ft. Germination 8 to 12 days. Pkt., 10c; 1/8 oz., 35c.

EVERLASTING or STRAWFLOWER MIXTURE (A)

A fine mixture for the garden. If cut when partially opened and dried slowly in cool place, heads downward, to keep the stems straight, they make good winter bouquets. Germination 5 to 15 days. Pkt., 10c; oz., 35c.

FEVERFEW (Matricaria) (P)

These are perennials, usually treated as annuals. Seed sown in early spring will bloom the first season. The small double flowers are ideal for cutting. Blooms from June to October. Germination 10 to 15 days.

Double White. Height 2 ft. Pkt., 10c; 1/4 oz., 35c.

Golden Ball. Height 10 in. Pkt., 15c; 1/8 oz., 75c.

FOUR O'CLOCK (Marvel of Peru) (A)

Bushy plants, 2 1/2 ft. high, suitable for growing as a hedge. The flowers open in late afternoon and remain open all night, closing the next morning in the heat of the sun. Germination 8 to 20 days.

Mixed Colors. Pkt., 10c; oz., 30c; 1/4 lb., 90c.

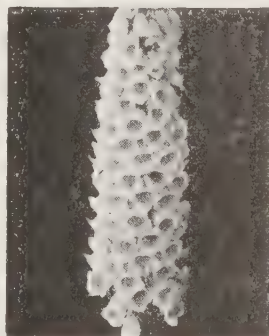
FORGET-ME-NOT (Myosotis) (TP)

Beautiful deep green foliage, above which rise pretty clusters of dainty little blossoms. They are quite hardy, although do need some protection in severe weather. Best planted in moist partially shaded places. Germination 10 to 15 days.

Indigo Blue. Flowers produced in sprays 8 in. long. Fine for cutting. Pkt., 10c.

Palustris semperflorens. An everblooming variety beginning in May and June. An excellent variety for rock garden. Large, clear blue, 8 in. Pkt., 15c.

Victoria Blue (dwarf). Bright azure blue. Very early. 8 in. Pkt., 15c.



Foxglove



Dimorphotheca



Gaillardia

FUCHSIA (Eardrops) (TP)

Used as indoor pot plants, also outdoors in moist places. Height 2 ft.
Mixed. Pkt., 25c.

GAILLARDIA (P)

Showy garden plants, producing from early summer until frost, gaily colored flowers, on long stems, suitable for cutting. Very easily grown from seed, which germinates in 5 to 10 days and blooms the first season.

Burgundy. Wine red blooms 2½ in. in diameter. Pkt., 15c; ⅛ oz., 40c.

Portola Hybrids. Large, bright yellow flowers with bronzy red center. Pkt., 15c; ⅛ oz., 40c.

Dazzler. Often 4 in. in diameter. Color bright golden yellow with rich maroon red center. Pkt., 15c; ⅛ oz., 40c.

Compacta Mixed. Bushy plants, flowers well above the foliage. Pkt., 10c; ¼ oz., 35c.

Blanket Flower (A). Splendid showy annuals, remarkable for the profusion and brilliancy of their flowers, continuing in bloom from early summer till November. 1½ ft.

Double Mixed. Pkt., 10c; ¼ oz., 35c.

Single Mixed. Pkt., 10c; ¼ oz., 35c.

GERANIUMS (TP)

Usually propagated from cuttings, but readily grown from seed, which is the only way of discovering new varieties. Germination 8 to 12 days. Height 18 in.

Zonale Mixed. Pkt., 25c; ⅛ oz., 75c.

GERBERA (Transvaal Daisy) (TP)

Jamesoni Hybrids. Daisy-like flowers are produced on leafless stems. Colors, pale amber, yellow, salmon, rose and ruby. Plant in full sun, in moist, peaty soil. Germination 20 to 30 days. Pkt., 25c.

GEUM (P)

Beautiful plants producing many attractive double flowers on good stems. Germination 6 to 10 days.

Lady Stratheden. Golden yellow. Pkt., 15c; ⅛ oz., 65c.

Mrs. Bradshaw. Orange scarlet. Pkt., 15c; ⅛ oz., 45c.

GILIA, Capitata (A)

Attractive plants with bright blue globular flower heads. Grow in most any soil. Germination 6 to 10 days. Pkt., 10c; ¼ oz., 30c.

GODETIA (A)

Do best in partial shade. The satiny azalea-like flowers, in many colors, make good cut flowers. Height 12 in. Germination 6 to 10 days.

Mixed. Pkt., 10c; ¼ oz., 35c.

GOMPHRENA (A)

(Globe Amaranth or Bachelor's Button)

They are sometimes called Everlasting Flowers, that resemble clover heads. Used for winter bouquets when dried. Height 15 in. Germination 10 days.

Purple. Pkt., 10c; ¼ oz., 30c.

Mixed. Pkt., 10c; ¼ oz., 30c.

GOURDS, Ornamental (A)

Rapid growing vines for covering screens or arbors. The fruits are used for table decorations and other ornamental purposes. Germination 5 to 15 days.

Calabash. Used for making pipes.

Dipper. Easily made into long handled dipper.

Hercules Club. The longest of all gourds. Pkt., 5c; ¼ oz., 25c.

Small Varieties. Mixed. Pkt., 10c; ½ oz., 25c.



Mixed Gourds

National
Eezy Wear
Garden Gloves

All leather, soft as kid

See page 56

GYPSOPHILA (Baby's Breath) (A&P)

Graceful plants much in demand for cutting and combining with other flowers. Germination 8 to 20 days.

Paris Market (A). White. Pkt., 10c; ½ oz., 35c.

Elegans Rose (A). Pkt., 10c; ½ oz., 35c.

Paniculata (P). Single white flowers in July. 3 ft. Pkt., 10c; ½ oz., 35c.

Paniculata Fl. Pl. (P). Double white flowers in July. 3 ft. Pkt., 15c; ⅓ oz., 75c.

Pacifica (P). Double rose-colored flowers in August. 3½ ft. Pkt., 15c.

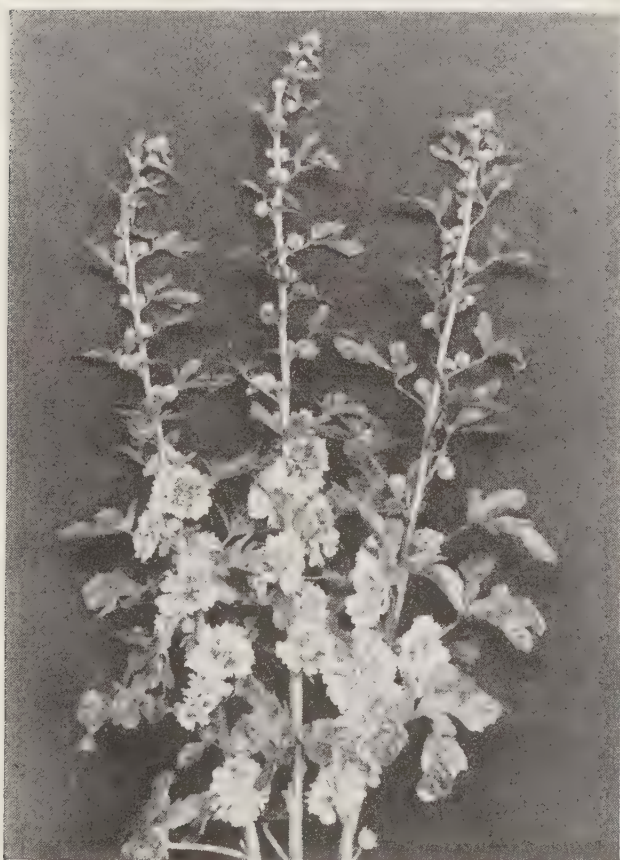
Repens (P). Dwarf Baby's Breath for rock gardens. 6 in. Blooms in June. Pink and white mixed. Pkt., 10c; ⅓ oz., 40c.

HELIANTHUS, Orgyalis (Column Flower) (P)

Before blooming the plants are wide pillars of deep green waving foliage, then quickly they double in height, each stem topped with a branching panicle of bright golden yellow flowers. Germination 20 to 30 days. Pkt., 15c.

HELIANTHEMUM (Rock or Sun Rose) (P)

Mutabile. Dwarf shrubby plants for a sunny place in the rock garden. Soil should be sandy and well drained. Flowers in rose, pink and white in May and June. Height 10 in. Germination 14 to 20 days. Pkt., 10c; 1/16 oz., 30c.



Hollyhock



Helichrysum

HELICHRYSUM (A)

Most popular of the everlasting flowers. Flowers should be cut when half open and hung head down to dry. Height 3 ft. Germination 5 to 10 days.

Mixed Colors. Pkt., 10c; ¼ oz., 35c.

HELIOTROPE (TP)

Delightfully fragrant flowering plants, growing 18 in. high. For pots or outdoor bedding. **Giant Mixed.** Pkt., 15c.

HEUCHERA, Sanguinea Splendens (P)

The plants make low compact mats of deep green leaves tinged red from which rise slender stems with clusters of tiny coral pink bell-like flowers. Height 12 in. Bloom in May and June. Germination 12 to 20 days. Pkt., 25c.

HOLLYHOCK (Althea) (B or P)

Showy plants 4 to 8 ft. tall, blooming during June and July. Excellent background for lower growing plants.

Chater's Superb Double. An extra fine strain.

Crimson.	Maroon.
Yellow.	Deep Rose.
Newport Pink.	Mixed.
White.	

Pkt., 15c; ¼ oz., 75c.

Imperator. Large flowers, frilled and deeply fringed petals. In the center is a very double rosette.

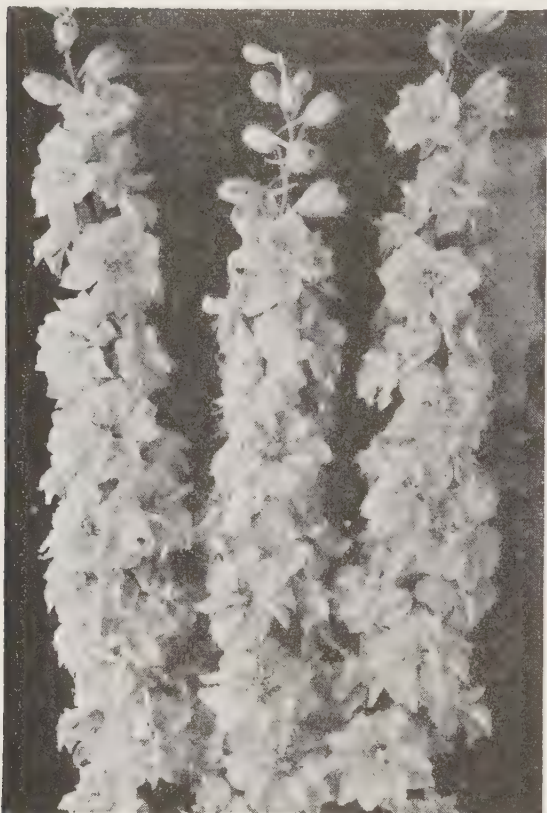
Mixed Colors. Pkt., 15c; ⅓ oz., 35c.

Single Flowered. Flowers large, plants tall and very hardy.

Mixed. Pkt., 10c; ½ oz., 35c.

Double Everblooming.

Mixed Colors. Pkt., 10c; ¼ oz., 35c.



Larkspur

HIBISCUS (Mallow) (P)

Large flowers are produced on strong plants 4 ft. high. Flowers in shades of red, pink, rose and white. Bloom in August and September.

Mixed Colors. Pkt., 10c.

**HONESTY, Lunaria (B)
(Moonwort or Dollar Plant)**

This plant is grown for its seed pods which, when dried, are used for winter bouquets. Height 3 ft. Germination 15 days. Pkt., 10c; 1/8 oz., 30c.

HUNNEMANNIA (Santa Barbara Poppy) (A)

Fumariaefolia. The plants grow into a shrubby bush 1 1/2 ft. high and produce large golden yellow poppy-like flowers on good stems for cutting. Pkt., 10c; 1/4 oz., 45c.

ICE PLANT (A)

(*Mesembryanthemum Crystallinum*)

Flat, fleshy leaves covered with glistening crystal-like dots. Small flowers, white to rose pink. Spreading plants, 4 to 6 in. high. Germination 6 to 10 days. Pkt., 10c; 1/8 oz., 30c.

IMPATIENS SULTANA (TP)

The Zanzibar or Sultan's Balsam. Ideal for either pot or garden culture; a tender perennial that cannot be surpassed. 1 1/2 ft.

Mixed. Pkt., 15c.

IRIS (Giant Bearded Mixed) (P)

Growing Iris from seed is very interesting, and you may produce some that may be worth naming and introducing. They are easy to grow from seed. Germination is irregular. Pkt. 25c.

KOCHIA (Fire Bush) (A)

The plants develop rapidly, forming perfect globes of green feathery foliage, which turn red after frost. Used as an annual hedge. 2 to 3 ft. Germination 8 to 12 days. Pkt., 10c; 1 oz., 25c.

KUDZU CROWNS (Plants) (P)

Available in February and March. Write for prices.

LANTANA HYBRID (TP)

A rapid growing plant bearing small flowers in clusters. Used for pots, window boxes or in the garden. Seed germinates slowly.

Mixed. Pkt., 10c; 1/8 oz., 35c.

LARKSPUR (A)

Unsurpassed for massing in the border or as a cut flower. Sow seed any time from September to April in open ground. Normal germination 15 to 25 days.

Double Stock Flowering. 3 to 4 ft. tall, producing many fine spikes for cutting.

- | | |
|---------------|----------------|
| Dark Blue. | Sky Blue. |
| Rosy Scarlet. | Rose. |
| Lilac. | LaFrance Pink. |
| White. | Rosamond. |
| Carmine. | Mixed. |

Pkt., 10c; 1/4 oz., 35c.

Giant Imperial Branching. Flower stems 3 to 4 ft. long and branch from the base of the plant.

- Blue Spire. Deep blue.
- Exquisite Pink. Soft pink.
- White King. Pure white.
- Giant Imperial Mixed.

Pkt., 15c; 1/4 oz., 50c.

LAVATERA (Annual Mallow)

Rosea Splendens. A showy annual, growing about 2 ft. high, producing hibiscus-like flowers all summer. Color, deep rose pink. Germination 8 to 12 days. Pkt., 10c; 1/4 oz., 45c.

LILY REGALE (P)

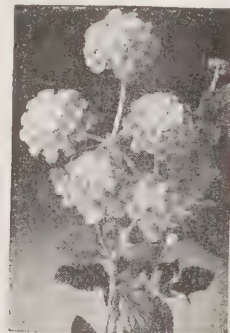
The flowers are white, slightly suffused with pink outside. The throat inside is a beautiful shade of canary yellow. Bloom in June. Seed will germinate in 10 to 20 days. Height 3 ft. Pkt., 15c; 1/8 oz., 40c.

LINARIA (Fairy Bouquet) (A)

Maroccana. Dainty flowers resembling miniature snapdragons. Compact plants 12 to 16 in. high. Bloom in 8 weeks from seed. Germination 6 to 10 days. Pkt., 15c; 1/8 oz., 40c.



Lavatera



Lantana

LAZY DAISY (Aphanostephus Skirrobasis)
See page 4

LINUM (Scarlet Flax) (A)

Produces clusters of saucer-shaped flowers of bright scarlet with dark centers. Height 15 in. Germination 10 days. Pkt., 10c; ¼ oz., 30c.

LINUM PERENNE (Blue Flax) (P)

A very desirable plant for the hardy border. Light green foliage with light blue flowers from May until August. Germination 8 to 12 days. Pkt., 10c; ¼ oz., 30c.

LOBELIA (A)

A very effective dwarf garden plant. All differ in habit. All annuals have blue flowers. Plants grow 4 to 6 in. high. Germination 8 to 15 days.

Crystal Palace Compacta. Dainty deep blue flowers and bronze foliage. Pkt., 10c; ⅛ oz., 60c.

Florist's Favorite Compacta. Brilliant dark blue, with white eyes. Pkt., 10c; ⅛ oz., 60c.

Sapphire (Trailing Lobelia). Flowers are rich purplish blue with white eye. Valuable for rock garden and hanging baskets. Pkt., 15c; ⅛ oz., 60c.

LUPINUS (A)

Hartwegi. Annual Lupines are among the most useful garden flowers for either border or house decoration. Pea-like flowers produced on spikes 2 to 3 ft. high. Prefer partial shade. Mixed. Pkt., 10c; ¼ oz., 30c.

LUPINUS (P)

Polyphyllus. Stately spikes 3 to 4 ft. tall. Do best in a sheltered, well drained position. Mixed. Pkt., 10c; ¼ oz., 30c.

Russell's Lupines. Pea-like flowers closely set on spikes 3 to 4 ft. tall. All flowers open at once. Many new colors never before seen in Lupines. Pkt., 25c.

LYCHNIS (Jerusalem Cross) (P)

Chalcedonica. Easily grown. Attractive plants. Fiery red flowers in clusters from June to August. Height 3 ft. Pkt., 10c; ¼ oz., 40c.

MARIGOLDS, Tagetes (A)

No garden is complete without Marigolds. They are easy to grow and bloom profusely from midsummer until frost. Germination 4 to 10 days.

Signata Pumila. A dwarf Marigold, 6 to 8 in. high, covered with small bright yellow flowers with brown stripe down center of each petal. Pkt., 15c; ⅛ oz., 35c.

Crown of Gold. An orange Marigold. The blossoms have short, curled and quilled center petals, surrounded by flat drooping outer petals. The foliage is odorless. Pkt., 10c; ¼ oz., 35c.

Guinea Gold. Deep golden yellow, carnation-like flowers. Height 2 to 2½ ft. Pkt., 10c; ¼ oz., 35c.

Lemon Queen. Tall plants, bearing double quilled petaled flowers. Color lemon yellow. Height 3 to 4 ft. Pkt., 10c; ¼ oz., 35c.



Marigold

Orange Prince. Plant growth the same as Lemon Queen. Has bright orange flowers. Pkt., 10c; ¼ oz., 35c.

Yellow Supreme. Light yellow blossoms, 3 in. in diameter with broad quilled petals. Pkt., 10c; ¼ oz., 35c.

Double Tall Mixed. Pkt., 10c; ¼ oz., 30c.

Flash (All-America). Gives an amazing flash of color all summer and fall. A bright combination of colors ranging from vivid red through bronze with a few yellow flowers. Pkt., 15c; ¼ oz., 35c.

MARIGOLDS, Dwarf French.

Legion of Honor (Little Brownie). Single bright yellow blossoms with dark blotch on each petal. Compact plants, 12 in. high. Pkt., 10c; ¼ oz., 30c.

Harmony. Compact plants 14 in. high, double blossoms, center petals bright orange surrounded by 4 or 5 rows of reddish brown outer petals. Pkt., 15c; ¼ oz., 35c.

Golden Ball. Fully double flowers, deep golden yellow. Height 12 in. Pkt., 10c; ¼ oz., 35c.

Dwarf Royal Scott. Double flowers in profusion, color alternate mahogany and gold. Height 15 in. Pkt., 15c; ¼ oz., 35c.

Spry. This is a miniature version of Harmony, growing in compact, 9-in. bushes, producing freely flowers less than half the size of the popular variety Harmony. It is uniform and fine for ribbon planting. Pkt., 15c; ¼ oz., 35c.

Monarch Strain Double Mixed. Fully double flowers, mostly mahogany, striped or edged with yellow. Pkt., 10c; ¼ oz., 35c.

MATTHIOLA (Evening Scented Stock) (A)

Bicornis. Many small mauve colored flowers resembling those of single Stock. Fragrant. Germination 10 to 14 days. Pkt., 10c; ¼ oz., 35c.

MIGNONETTE (Reseda) (A)

A well known annual producing dense cone-shaped flower spikes of thickly set florets. Very fragrant. Germination 8 to 12 days.

Defiance. Flower spikes 12 in. long and will keep for days after cutting, holding their fragrance. Pkt., 10c; ¼ oz., 35c.

Golden Machet. Golden yellow spikes 9 in. long. Pkt., 10c; ¼ oz., 35c.

Large Flowering Mixed. Pkt., 10c; ½ oz., 30c.

MARVEL OF PERU (See Four O'Clock)

See Page 11

MORNING GLORIES (Ipomoea) (A)

Rapid growing climbers that will grow in any soil. Seed will germinate better if they are soaked in warm water 24 hours before planting.

Cornell. Large blooms 4 in. in diameter. They are an intense shade of Cornelian red with a border of pure white. Pkt., 15c; ¼ oz., 35c.

Heavenly Blue (Early Flower'ng). Flowers 2½ to 3 in. across. Sky blue with white throat. Profuse bloomers during a long season. Pkt., 10c; ½ oz., 35c.

Imperial Mixed. Flowers very large, colors shades of red, pink, blue, mostly edged in white. Pkt., 10c; ½ oz., 30c.

Pearly Gates. Mammoth pure white flowers against the luxurious growth of dark green heart-shaped leaves, makes a truly impressive sight. Pkt., 15c; ¼ oz., 45c.

Scarlett O'Hara. Rich, dark, wine-red flowers are 4 in. in diameter. Pkt., 15c; ¼ oz., 45c.



Morning Glory



Nasturtium

MOONFLOWER (Ipomoea) (A)

White. One of the most vigorous summer climbers. Under favorable conditions the plants will grow 30 to 40 ft. In the evening and on cloudy days the plants are covered with large, white fragrant flowers. Soak seed 24 hours before planting. Pkt., 10c; ½ oz., 30c.

Blue. A strong variety with broad smooth leaves and lilac-blue flowers. Pkt., 10c; ½ oz., 30c.

Pink. Soft lilac-pink flowers. Pkt., 10c; ½ oz., 30c.

NASTURTIIUM (A)

These free flowering plants bloom best in soil that is not too rich. They come in a great variety of colors. Germination 7 to 12 days.

Golden Gleam. The golden yellow flowers are double and delightfully fragrant. The stems are long and wiry, making them an ideal cut flower. Height 18 in. Pkt., 10c; oz., 30c; ¼ lb., \$1.00.

Scarlet Gleam. Double. Orange-scarlet flowers. Pkt., 10c; oz., 30c; ¼ lb., \$1.00.

Gleam Hybrids. Double. Colors range from pale yellow to scarlet. Pkt., 10c; oz., 30c; ¼ lb., \$1.00.

Dwarf Mixed. A fine mixture of many brilliant colors. Flowers are large; on good stems held well above the foliage. Dwarf. Pkt., 10c; oz., 25c; ¼ lb., 90c.

Tall Mixed. Plants about 6 ft. tall. There are many beautiful colors. Used for trellises or to trail over banks. Pkt., 10c; oz., 25c; ¼ lb., 90c.

NEMESIA

Dainty flowers in many bright colors, often the lower part of the flower contrasts in color with the upper part. Plants low and compact. Germination 10 to 14 days. Height 6 in.

Mixed Colors. Pkt., 15c; ⅓ oz., 50c.

NEMOPHILA (A)

Nemophilas are dwarf compact plants and produce an abundance of showy bell-shaped flowers from spring to late summer. Colors in shades of blue and white. Height 6 in. Germination 8 to 12 days.

Mixed. Pkt., 10c; 1/2 oz., 35c.

NICOTIANA (Ornamental Tobacco) (A)

The graceful stems, slightly branching, rise above vivid green leaves and bear beautiful trumpet-like flowers which are delightfully fragrant. Germination 5 to 12 days.

Affinis Hybrids. A variety of colors, including white, lavender, purple, rose and red. Height 2 1/2 ft. Pkt., 10c; 1/4 oz., 30c.

Affinis White. Pure white fragrant flowers. Pkt., 10c; 1/4 oz., 30c.

Sanderae. Bushy plants 2 ft. high, producing an abundance of carmine red flowers all summer. Pkt., 10c; 1/4 oz., 35c.

NIEREMBERGIA (A)

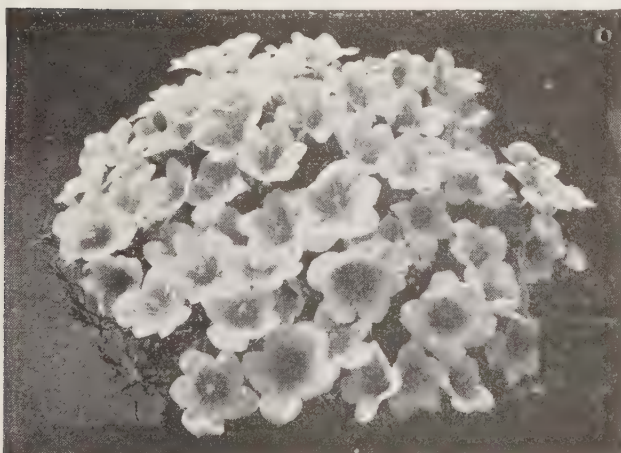
Hippomanica. A dwarf-growing plant with lavender blue blossoms with a touch of yellow at the center. Foliage fine, bright green. Plants begin to flower when 2 in. high and continue until frost in spite of drought and heat. Pkt., 25c.

NIGELLA (Love In a Mist) (A)

Nigellas require very little care. Interesting flowers and seed pods. Germination 10 to 15 days.

Miss Jekyll. Double blue. Height 18 in. Pkt., 10c; 1/4 oz., 40c.

Double Mixed. Shades of blue and white. Pkt., 10c; 1/4 oz., 35c.



Nierembergia



Pansies

PANSIES (A)

Seed sown in late August and September will make fine plants and bloom the following spring. May also be planted in spring for summer and fall blooms. Sow seed in well pulverized soil, cover lightly and keep moist at all times. A situation sheltered from high wind and exposed to morning sun is most favorable. Frequent sprinklings are advantageous.

Steele's Jumbo Mixed. These are the largest flowered of all pansies. This splendid mixture contains all colors. Pkt., 50c; 1/16 oz., \$1.75; 1/8 oz., \$3.00.

Swiss 400 Mixed. A grand mixture. Huge jewels of velvet red and gold with variations of those colors. Pkt., 35c; 1/16 oz., \$1.25; 1/8 oz., \$2.25.

Imperial Giant Mixed. They embrace all the solid or self-colors delicately shaded, of various colors, dark and light marble with clear, distinct eyes. Pkt., 25c; 1/16 oz., 75c; 1/8 oz., \$1.40.

TUFTED PANSIES (P)

Viola Cornuta. Few plants are of more general usefulness in the garden or possess more good qualities than the Viola Cornuta.

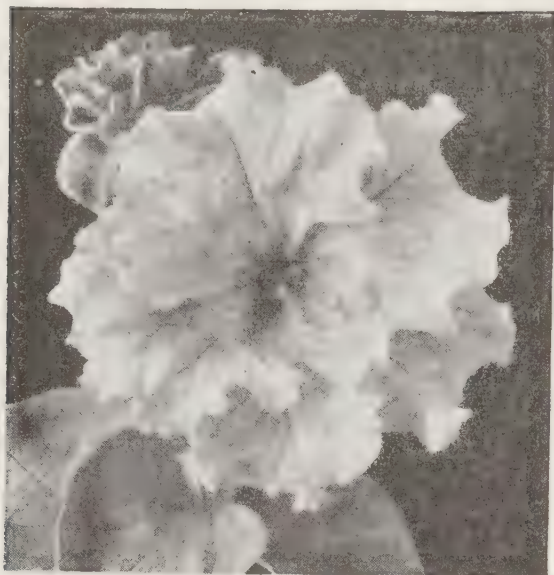
Viola Nigra (The Imp Violet). Quaint little pansy-flowers that seem to have been snipped from back velvet. Exceedingly floriferous. Best treated as an annual. Pkt., 25c; 1/16 oz., 75c.

Chantryland Apricot. Pkt., 15c.

Light Blue. Dark Blue.

Yellow. Mixed.

Pkt., 10c; 1/8 oz., 75c.



PETUNIAS

Seed may be sown in late fall or spring. Soil should be well pulverized. Seed which is very fine should be sown on the surface and watered into the soil. The double and ruffled sorts will germinate better if started in flats or pans indoors, then transplanted to open when plants have their second leaves. Germination 7 to 20 days.

Dwarf or Bedding Varieties

These plants only grow about 12 in. high and while branching freely from the base they nevertheless remain quite compact.

Bright Eyes. (All-America Selection for 1946). A dwarf compact bedding Petunia. About 10 in. tall. Color clear rose pink with white throat. Pkt., 15c; 1/16 oz., 50c.

Celestial Rose. Plants dwarf, compact. Flowers 2 in. across. Color bright rose with white throat. Pkt., 15c; 1/8 oz., 50c.

Crimson. A beautiful deep red. Of compact growth. Pkt., 10c; 1/8 oz., 50c.

Heavenly Blue. Light or silvery blue. Pkt., 10c; 1/8 oz., 50c.

Rose of Heaven. Color rich brilliant rose, darker than Rosy Morn. Pkt., 10c; 1/8 oz., 50c.

Rosy Morn (Improved). Compact in habit, producing throughout the summer an abundance of clear rosy pink flowers. Pkt., 10c; 1/8 oz., 50c.

Salmon Supreme. Color, light salmon with white throat. Flowers 1 1/2 in. across on 12 in. bushy plants. A heavy bloomer over long season. Pkt., 35c.

Snow Queen. Pure satiny white flowers. Pkt., 10c; 1/8 oz., 50c.

Striped and Blotched. Includes striped or blotched flowers in a wide range of brilliant colors. A fine bedder. Pkt., 10c; 1/8 oz., 50c.

Violet. A fine companion to Rosy Morn. Color violet blue. Pkt., 10c; 1/8 oz., 50c.

Dwarf Mixed. Plants compact growing. A choice mixture of many shades and colors. Very desirable for beds. Pkt., 10c; 1/8 oz., 50c.

Petunia—Continued

Half Dwarf Varieties

All of the following are wonderfully effective in beds and borders. 18 in. high.

General Dødds. Blood red; one of the best red Petunias. Free blooming. Pkt., 10c; 1/8 oz., 50c.

Howard's Star. Color crimson-maroon with a clearly defined five-point star of bluish white. Pkt., 10c; 1/8 oz., 50c.

Extra Choice Mixed. Made up from named large flowering sorts. Pkt., 10c; 1/8 oz., 50c.

Double

Double Flowering Fringed Mixed. A rich assortment of the finest double strains. The finely formed, fully double blooms are beautifully ruffled and fringed. Pkt., 50c.

Fringed and Ruffled Varieties

Dwarf Giants of California. Extra large flowers, which are fringed; the colorings, markings, veinings, blotches, are superb. Pkt., 35c.

Ruffled Giants. Flowers of extraordinary size and substance, and distinguished from the large flowering fringed section by the deep fluting. Pkt., 25c.

Giant Portland Varieties

Large plain edged flowers on free flowering plants.

Elk's Pride. Large, deep royal purple. Pkt., 25c.

Pink Triumph. The best bright pink. Pkt., 25c.

Romany Lass. Color shading from cherry-red to deep maroon. Pkt., 25c.

White Beauty. Giant flowering white. Pkt., 25c.

Mixed Colors. Pkt., 25c.

Balcony

Especially suited for window boxes, vases and hanging baskets.

Town Hall. A rich blue, very desirable for window boxes and bedding. 18 in. Free bloomer. Pkt., 25c.

Blue
Crimson
Rose
Mixed
Pkt., 15c.





Phlox, Large Flowering, Mixed

PHLOX, Drummondii (A)

Bright five-petaled flowers in clusters, blooming freely during the entire summer. Germination 8 to 12 days.

Large Flowering. Blooms $\frac{3}{4}$ to 1 in. in diameter. Plants 12 to 14 in. high.

Giant Red Glory. Large flowered variety with large brilliant red flowers intensified by a prominent white eye; a showy combination. 12 in. Pkt., 25c.

Violet. Shell Pink.

Fiery Red. Deep Rose.

White. Mixed.

Pkt., 10c; $\frac{1}{8}$ oz., 50c.

Salmon Glory. Large flowered variety with rich salmon-pink florets. Pkt., 25c.

Dwarf Phlox. Symmetrical plants, 8 in. high, bright colored flowers in broad clusters.

Rose. White.

Fireball. Mixed.

Pkt., 15c; $\frac{1}{16}$ oz., 35c.

Phlox Decussata (P). Hardy. 2 to 3 ft.

Mixed Colors. Pkt., 15c; $\frac{1}{8}$ oz., 50c.

PENTSTEMON, Gloxiniaflora (P)
(Beard Tongue)

Beautiful plants for the hardy border. Gloxinia-like flowers of white and shades of rose, mauve and purple. Height $2\frac{1}{2}$ ft. Blooms June and July. Germination 10 to 15 days.

Mixed. Pkt., 15c.

PHYSALIS, Francheti. (See Chinese Lantern)

PLATYCODON (Wahlenbergia) (P)

Handsome plant for sunny border. It has broad blue bell-shaped flowers. Blooms from June to September. Germination 20 to 30 days.

Grandiflora. Blue. Pkt., 15c.

POPPIES (A)

Annual varieties do not bear transplanting, therefore should be sown in late fall or early spring where they are to bloom. Thin to 6 in. apart.

American Legion or Flanders. Orange scarlet. Height 2 ft. Pkt., 10c; $\frac{1}{2}$ oz., 35c.

Shirley. Large single flowers range in color from pure white, shades of pink and rose to the deepest blood red. Height $1\frac{1}{2}$ ft.

Mixed. Pkt., 10c; $\frac{1}{2}$ oz., 35c.

Tulip Flowered. Large bright scarlet blossoms, resembling a tulip. Height $1\frac{1}{2}$ ft. Pkt., 10c; $\frac{1}{4}$ oz., 35c.

Double Shirley. Beautiful hybrids with large double and semi-double flowers in a wide range of colors.

Mixed. Pkt., 10c; $\frac{1}{2}$ oz., 35c.

ORIENTAL POPPIES (P)

Huge cup-shaped flowers with crinkled petals on tall strong stems. Sow seed in early spring, transplant to permanent place in June. Height 2 to 3 ft. Germination 6 to 15 days.

Dark Red. Salmon Pink.

Orange Scarlet.

Pkt., 10c.

Oriental Hybrids. New colors and types are often found in this mixture. Pkt., 10c; $\frac{1}{8}$ oz., 50c.

ICELAND POPPIES (P)

While these are hardy perennials, they flower from seed the first season if sown early.

Yellow Wonder. Large deep yellow flowers, excellent cut flower. Height 2 ft. Pkt., 15c.

Mixed. Height 14 in. Pkt., 10c; $\frac{1}{8}$ oz., 50c.

PORTULACA (Flowering Moss) (A)

Bloom all summer.

Single mixed. Pkt., 10c; $\frac{1}{8}$ oz., 30c.

Double Mixed. Pkt., 10c; $\frac{1}{8}$ oz., 50c.



Poppy



Pyrethrum (Painted Daisy)

PYRETHRUM (Painted Daisy) (P)

Attractive single, semi-double or double daisy-like flowers, produced freely in May or June. Colors, white, shades of pink and red. Germination 7 to 12 days.

Hybridum Double Mixed. Height 2 ft. Pkt., 25c; 1/16 oz., 50c.

Roseum Grandiflorum Single Mixed. Large flowers for cutting. Height 2½ ft. Pkt., 15c; 1/16 oz., 40c.

RICINUS (Castor Oil Bean) (A)

Showy ornamental plants which do best in sunny location. The plants are tall and of a beautiful tropical appearance. Germination 8 to 12 days.

Borboniensis Arboreus. Large dark green foliage. Height 10 to 15 ft. Pkt., 10c; oz., 25c.

Zanzibariensis. Leaves often 2 ft. across, green shaded coppery brown. Height 8 ft. Pkt., 10c; oz., 25c.

Mixed pkt., 10c; oz. 20c; ¼ lb., 65c.

RUDBECKIA (Coneflower) (P)

Bright flowers which grow quickly from seed and are very hardy. Germination 10 days.

Purpurea (Giant Purple Coneflower). Large showy daisy-like reddish purple flowers with dark brown center. July to September. Height 3 ft. Pkt., 10c; ⅓ oz., 40c.

SALPIGLOSSIS (Painted Tongue) (A)

An easily grown annual, 18 to 24 in. high which blooms from midsummer until frost. Blossoms are trumpet shaped, deep purple and blue veined with gold. Buff and yellow veined with brown and many other beautiful color combinations. Germination 5 to 10 days.

Large Flowering Mixed. Pkt., 10c; ⅓ oz., 35c.

SALVIA (Scarlet Sage) (A)

Perennial plants grown as annuals. Bushy plants bearing many attractive spikes of scarlet flowers. For early blooms, sow indoors or in hotbed and transplant to open when ground is warm, or may be sown outdoors in May. Likes hot sun. Germination 5 to 10 days.

America (Globe of Fire). Bushy plants. 16 in. high. Pkt., 15c; ⅓ oz., 75c.

Bonfire. Its erect spikes of brilliant scarlet flowers stand clear above the dark green foliage and completely cover the plant. 16 in. Pkt., 15c; ⅓ oz., 75c.

Splendens Grandiflora. Vigorous plants 2½ ft. tall. Early, large flowering. Scarlet. Pkt., 15c; ⅓ oz., 50c.

Farinacea (Blue Bedder) (P). Above a dense tuft of foliage, rise slender spikes of tubular light blue blossoms. Height 2½ ft. Blooms first year from seed sown early. Pkt., 15c; ⅓ oz., 50c.

SANVITALIA (Procumbens) (A)

A free flowering plant of trailing habit. Small double bright yellow flowers in bloom all summer. Height 6 in. Germination 6 to 10 days. Pkt., 10c; ⅓ oz., 35c.

SAPONARIA (Bouncing Bet) (P)

Spreading plants with bright green foliage and gay rosy carmine blossoms in profusion during May and June. Height 10 in. Germination 10 to 12 days. Crop failed.

SCARLET RUNNER (A)

The vines grow 8 to 12 ft. and are covered with showy clusters of scarlet pea-like flowers. The beans which follow the flower may be eaten while young and tender. Germination 5 to 8 days. Pkt., 10c; ¼ lb., 30c.



Salvia



Scabiosa

SCABIOSA (Mourning Bride) (A)

One of the most popular annuals for cutting because of the long wiry stems. It also makes attractive groups in the garden. A continuous bloomer. Sow seed early in light soil, cover about $\frac{1}{4}$ in., watering to be done with a fine spray. Transplant to open when plants have their second leaves.

Black Purple.	Shasta White.
Crimson.	Rose.
Lavender.	Loveliness, Salmon Rose.
Mixed.	

Pkt., 10c; $\frac{1}{4}$ oz., 30c.

Scabiosa (P)

Isaac House Strain. Large flowers with fringed and ruffled petals in shades of blue and lavender. Blooms freely from June to August. Height 2 ft. **Pkt., 15c; $\frac{1}{8}$ oz., 75c.**

SCHIZANTHUS (A)

Dainty blossoms like tiny orchids from compact pyramidal plants. Very effective in the garden or for pot plants. Colors are pink to rose, veined with gold and white. The seed germinates readily and plants start blooming within a few weeks. Height 16 in.

Large Flowering Mixed. Pkt., 10c; $\frac{1}{8}$ oz., 50c.

SENSITIVE PLANT (Touch-Me-Not) (A)

A pretty plant with pink flowers. The foliage is very sensitive and closes up immediately if touched or shaken. **Pkt., 10c; $\frac{1}{8}$ oz., 35c.**

STAR OF TEXAS (Xanthisma Texanum) (A)

Plants grow 2 ft. high, producing golden yellow blossoms on long wiry stems, suitable for dry places. Sow seed where plants are to bloom. Germination 10 to 15 days. **Pkt., 15c.**

STATICE, Sinuata (A)

Showy plants with clusters of attractive flowers on graceful stems. The flowers may be dried for winter bouquets. Height 2 $\frac{1}{2}$ ft. Germination 8 to 20 days.

Mixed. Pkt., 10c; $\frac{1}{4}$ oz., 25c.

Suworowi (Russian Cat Tail). Dense clusters of broad deep green leaves from which rise tail-like spikes of rose-colored flowers. Annual. **Pkt., 10c; $\frac{1}{4}$ oz., 50c.**

Latifolia (Perennial Statice or Sea Lavender). Plants 1 $\frac{1}{2}$ ft. high and frequently 2 ft. across. Lavender blue flowers in much branched panicles. **Pkt., 10c; $\frac{1}{8}$ oz., 50c.**

STOCKS (A)

Dense spikes of fragrant flowers, white, blush, pink, purple, and yellow.

Cut and Come Again. A continuous bloomer. Branching plants, 2 to 2 $\frac{1}{2}$ ft. high.

Mixed. Pkt., 15c; $\frac{1}{8}$ oz., 50c.

Dwarf (10 weeks). Large flowering. A favorite for outdoor bedding. 12 in.

Mixed Colors. Pkt., 10c; $\frac{1}{4}$ oz., 50c.

Giant Bismarck (10 Weeks Stocks). Plants 2 to 2 $\frac{1}{2}$ ft. high producing many large spikes, coming into bloom in 10 to 12 weeks. Fine for cutting.

Mixed. Pkt., 20c; $\frac{1}{8}$ oz., 50c.

STOKESIA (Stokes Aster) (P)

Cyanea. Beautiful light blue flowers are produced profusely in summer and early autumn. Crop failed.

SUNFLOWER (Helianthus) (A)

Ornamental plants for background. Superior to the common Sunflower. Plant seed where they are to bloom. Thin plants to 3 ft. apart. Germination 5 to 12 days.

Sun Gold. Brilliant golden yellow flowers, large, double, free flowering; plants uniform height 4-5 ft. **Pkt., 15c; $\frac{1}{4}$ oz., 30c.**

Dwarf Double. Bright yellow flowers. Height 3 ft. **Pkt., 10c; $\frac{1}{4}$ oz., 25c.**

Dwarf Red. Large single flowered with deep red centers. Petals red and yellow. Height 4 ft. **Pkt., 10c; $\frac{1}{4}$ oz., 25c.**

Mammoth Russian. Grown for its seed. Height 6 ft. **Pkt., 10c.**



Stocks



Sun Gold Sunflower



Verbena

SWEET PEAS (A)

Early Flowering Spencer. For outdoor or greenhouse culture. This class should have more attention from home growers who may have been disappointed with the late flowering type. These come into bloom two weeks earlier. **Mixed.** Pkt., 10c; oz., 25c; ¼ lb., 90c; lb., \$3.00.
Late Spencer. A mixture of fine named varieties. Pkt., 10c; oz., 15c; ¼ lb., 50c; lb., \$1.75.

LATHYRUS LATIFOLIUS
 (Perennial Sweet Peas)

A sturdy vine bearing luxuriant foliage and clusters of waxy flowers in pink, red and white from June to September. The vine may be trained upon a support. It is also well adapted to cover banks or rugged places.

Mixed. Pkt., 10c; ¼ oz., 40c.

STRAWFLOWER MIXTURE (A)

Used for winter bouquets. Cut when flowers are half expanded, hang heads down to keep stem straight.

Pkt., 10c; ½ oz., 35c.

SWEET ROCKET (Hesperis) (P)

Bears spikes of purple and white flowers, delightfully fragrant in the evening. Height 18 to 24 in. Germination 12 to 20 days.

Mixed. Pkt., 10c; ¼ oz., 35c.

SWEET WILLIAM (Dianthus Barbatus) (P)

A well known perennial for bedding and borders. The florets are borne on stiff stems in great profusion and many colors. Height 16 in. Germination 5 to 8 days.

Holborn Glory. Varicolored **White.**
Newport Pink. **Scarlet Beauty.**
Single Mixed. **Double Mixed.**

Pkt., 10c; ⅓ oz., 35c.

Annual Sweet William. Blooms from seed the first season.

Mixed Colors. Pkt., 10c; ⅓ oz., 35c.

TAHOKA DAISY (Machaeranthera) (A)

Lavender blue daisy-like flowers with golden yellow centers. The foliage is fern-like, blooms from June until autumn. Stands heat and drought. Height 16 in. Germination 12 to 20 days. Pkt., 15c.

THERMOPSIS (P)

Caroliniana. Golden yellow flowers are produced on spikes resembling Lupines. Easily grown. Height 2½ ft. Germination 15 days. Pkt., 15c.

THUNBERGIA (Blackeyed Susan) (A)

A graceful climber, producing trumpet-like flowers in shades from creamy white to golden yellow with solid black centers. Much used in hanging baskets and overhanging banks. Perennial grown as an annual. 4 ft. Germination 5 to 12 days. Pkt., 10; ¼ oz., 35c.

TITHONIA (Mexican Sunflower) (A)

Speciosa. A tall growing plant with rich orange red flowers, resembling a single Zinnia. Sow in flats indoors. When seedlings are about 4 in. high transplant to 4 ft. apart. May be sown outdoors when ground is warm. Height 8 ft. Germination 5 days. Pkt., 15c.

TORENIA (Wishbone Flower) (A)

Fourn'eri. Compact plants literally covered with blossoms somewhat like Snapdragons. Of a beautiful sky blue, edged violet with yellow lip. A continuous bloomer. Height 12 in. Germination 10 to 15 days. Pkt., 15c.

TRITOMA (P)

Pfitzers Red. An improved Red Hot Poker Plant. Large spikes of red tube-like flowers. Protect in winter. Pkt., 15c; ⅓ oz., 50c.

VERBENA (A)

Verbenas will flower from midsummer until frost from seed sown outdoors in spring. For early blooms, sow indoors in February. Germination will be hastened if seed is soaked in water several hours.

Mammoth Blue. **White.**
Lucifer. Cardinal red. **Mixed.**
Salmon Pink.

Pkt., 10c; ⅓ oz., 40c.

Beauty of Oxford Hybrids. Large flowers in shades of pink and rose. Pkt., 15c; ⅓ oz., 40c.

Floradale Beauty. Oxford type, free flowering. Color, beautiful salmon rose. Pkt., 15c; ⅓ oz., 40c.

Great Floral Clock Mixture. A splendid variety, compact growth and many fine colors. Pkt., 15c; ⅓ oz., 40c.

Venosa (P). Spreading plants producing clusters of lilac-blue flowers from June to October. Height 14 in. Pkt., 10c.

Bipinnatifida (P). From June until November there is a continual showing of clustered bloom in blue-lavender. Ferny foliage. A reasonably winter hardy perennial, but so quick that it is usually grown as an annual. Height 15 inches. Pkt., 15c.

VERONICA (Speedwell) (P)

Spicata. Hardy plants growing about 18 in. high producing spikes of clear blue flowers from June to August. Germination 12 to 20 days. Pkt., 15c; ⅓ oz., 50c.



Zinnia, Lilliput

VINCA (Periwinkle) (A)

Attractive dark glossy green foliage and showy flowers from early summer until frost. Give plenty of moisture. Germination 12 to 20 days. Height 24 in.

- Rosea. Deep rose.
- Rosea Alba. White with rose eye.
- Alba Pura. Pure white.
- White.
- Mixed.

Pkt., 10c; 1/8 oz., 35c.

WALLFLOWER (Cheiranthus) (P)

An old garden favorite. 2 1/2 ft. high. Blooms very early in spring, very fragrant. Blooms best in rather poor soil. Protect in winter. Germination 8 to 12 days.

Double Mixed. Pkt., 15c.

Early Wonder (Annual Wallflower). Sow very early in spring. Plants will bloom in about 90 days. Height 18 to 24 in. Pkt., 15c; 1/8 oz., 50c.

WOOLFLOWER (Chinese) (A)

Upon many branches, clusters of flowers like balls of yarn are in profusion all summer. Height 2 1/2 ft. Germination 10 days.

Crimson. Pkt., 10c.

Mixed. Shades of pink and red. Pkt., 10c; 1/4 oz., 50c.

WILD CUCUMBER (A)

A rapid growing climber with beautiful foliage and fragrant white flowers. 15 to 20 ft. Germination 5 to 8 days. Pkt., 10c; oz., 25c.

ZINNIA (A)

Double Dahlia Flowered. Giant flowers with broad overlapping petals which give the flowers the appearance of a decorative Dahlia. Height 3 ft.

- Canary Yellow.
- Crimson Monarch.
- Dream. Deep lavender.
- Exquisite Rose. Light rose pink.
- Golden Dawn. Deep yellow.
- Illumination. Deep rose.
- Luminosa. Bright pink.
- Meteor. Deep rose.
- Oricle. Orange and gold.
- Polar Bear. White.
- Purple Prince. Deep purple.
- Scarlet Flame. Scarlet.

Any of the above: Pkt., 15c; 1/4 oz., 35c.
Dahlia Flowered Zinnias Mixed.
Pkt., 15c; 1/2 oz., 65c; oz., \$1.25.

California Giants.

- Daffodil. Canary yellow.
- Enchantress. Light rose.
- Grenadier. Bright red.
- Orange King. Orange scarlet.
- Purity. White.
- Salmon King. Salmon rose.
- Violet Queen.
- Scarlet Gem. Deep scarlet.

Mixed Colors.

Any of the above: Pkt., 10c; 1/2 oz., 60c.

Elegans (Cut and Come Again). Very double flowers 2 1/2 to 3 in. in diameter, dome shaped. Free flowering on long stems. Height 2 1/2 ft.

- Bright Scarlet. Salmon Rose.
- Crimson. White.
- Golden Yellow. Mixed.
- Pinkie.

Any of the above: Pkt., 10c; 1/2 oz., 60c.

Lilliput or Pompons. Double flowers 1 1/2 in. in diameter. Plants neat, compact. Height 15 in.

- Canary Yellow. Scarlet Gem.
- Crimson Gem. Salmon Rose.
- Golden Yellow. White.
- Lilac Gem. Mixed.

Rosebud. Rose pink.

Any of the above: Pkt., 10c; 1/2 oz., 60c.

Fantasy. Petals curled and partially quilled. Flowers medium size. Colors in shades of pink, rose, yellow, red and white.

Mixed. Pkt., 15c; 1/2 oz., 65c.

Tom Thumb. Compact plants, 6 in. high, well formed flowers of the Lilliput type. Pkt., 10c; 1/4 oz., 50c.

Howard's Giant Crested Zinnia. Flowers 4 to 5 in. across, composed of a row of broad outer petals, surrounding a cushion-like crown of quill-like petals.

Mixed. Pkt., 15c; 1/4 oz., 50c.

OLD-FASHIONED FLOWER GARDEN

A mixture of easily grown old-fashioned flowers that may be broadcast or sown in rows for cutting.

Mixed Annuals. Pkt., 10c; oz., 25c; lb., \$2.50.

Mixed Perennials. Pkt., 10c; oz., 50c.

Annuals for Rock Gardens. Pkt., 10c.

Perennials for Rock Gardens. Pkt., 10c.

FLOWERING BULBS AND ROOTS FOR SPRING PLANTING

CANNAS



Canna, Yellow King Humbert

LARGE FLOWERING

Ready for shipment during March and April.
By Parcel Post, add 10c per doz., postage.

YELLOW

YELLOW KING HUMBERT. 4 ft. Foliage a very dark green, flowers a deep rich yellow, softly spotted and blotched with bright red.

RED, GREEN FOLIAGE

THE PRESIDENT. 4 ft. This Canna is superior to any other red variety in the quality and also the quantity of bloom.

RED, BRONZE FOLIAGE

KING HUMBERT. 4 ft. The plants are crowned with immense heads of orchid-like, velvety orange-scarlet, rose-tinted and margined at the base.

PINK

CITY OF PORTLAND. 3½ ft. A deep pink which does not fade during the hot weather.

WHITE

EUREKA. 4 ft. Free-flowering variety with striking white flowers which first appear cream. green foliage. Crop failed.

Price of Canna roots, each, 10c; doz., \$1.00.

MISCELLANEOUS BULBS AND ROOTS

ACIDANTHERA MURIELAE (Abyssinian Sword Lily). A new introduction. It grows from bulbs or corms easily grown as gladiolus, it is similarly planted. It flowers from mid-August to September. Tall rigid stems, 4 feet or higher, sweetly scented flowers. Petals are pure glistening white with a purplish maroon blotch at their base. An excellent cut flower.
Each, 45c; doz., \$4.50.

AMARYLLIS, New Hybrids. This selection of giant bloomers in wonderfully varied colors. Large bulbs.
Each 65c.

BEGONIAS (Tuberous Rooted). Wax-like flowers appear uninterruptedly from June until frost. Plant bulbs outdoors about May 1st or start indoors at any time prior to then.

Apricot	Pink
Salmon	Scarlet
White	Yellow

Each, 25c; doz., \$2.50.

BLEEDING HEARTS. Long drooping racemes of pink-shaped flowers. A splendid pot plant for winter blooming in sunroom, or outdoors in perennial border.
Each, 75c; doz., \$7.50.

CALADIUM ESCULENTUM (Elephant's Ear). One of the most effective foliage plants for beds and borders. Can be used with good effect as a border for tall-growing Cannas.

	Each	Doz.
First Size Bulbs.....	\$.30	\$3 00
Jumbo Size Bulbs.....	.45	4 50

CALADIUM, Fancy Leaf. Mixed varieties. Beautiful, variegated foliage plants adapted for pot-culture indoors. Planted outdoors in May make pretty border or bedding plants.
Each, 25c; doz., \$2.50.

CINNAMON VINE. Well-known hardy climber; quick grower, with beautiful glossy heart-shaped leaves and sweet-scented flowers. Vines will run 20 to 30 ft. in a season.

Large Roots, 10c; doz., \$1.00.

GLOXINIA (Hybrids). Beautiful house-blooming plants, with bell-shaped flowers in a diversity of rich colors.

Each, 30c; doz., \$3.00.

ISMENE, Calanthis (Pancratium Lily or Peruvian Daffodil). One of the choicest of our summer flowering bulbs, blooming profusely during the summer. Handsome clusters of large, very striking, fragrant pearly white flowers. Large bulbs.

Each, 30c; doz., \$3.25.

LILY OF THE VALLEY. These are best for outdoor planting.

Clumps. Each, 50c; doz., \$5.00.

LILIES.

Lilium Regale. White with yellow throat. June. 3 ft.

Each, 30c; doz., \$3.00.

MADEIRA VINE. The old favorite so much prized because of its rapid growth and freedom from insects; fragrant, white flowers.

Tubers. Each, 10c; doz., \$1.00.

TIGRIDIAS or SHELLFLOWERS. Extremely handsome summer-flowering bulbs, growing about 2 ft. high.

Mixed colors. Each, 10c; doz., \$1.00.

TUBEROSE.

Dwarf Excelsior Pearl. 24 in. Early bloomer bearing pure white flowers, double.
Doz., \$1.00.

Albino. 30 in. Very early bloomer; dwarf habit; flowers waxy white and single, very fragrant.
Doz., \$1.00.

ST. LOUIS SEED COMPANY'S DAHLIAS

By Mail Add Postage 5c Each



Dahlias

Time of Planting: The time for planting Dahlias varies quite a good deal, according to the locality. In the central states roots may be set out as early as May 1st in some sections and from then until the middle of June. Some of our best blooms have been grown from roots planted about June 15th Dahlias should be planted from 2½ to 3 feet apart and covered to a depth of 6 inches. We list only varieties which will do best in our Middle West.

I.D. Informal Decorative. F.D. Formal Decorative.
C. Cactus. S.C. Semicactus.

CALIFORNIA IDOL, (I.D.). Clear lemon yellow. A wonderful grower. The flowers are very large, stems strong and erect.
Each, 40c.

COLONEL LEWIS, (I.D.). A large, but very artistic, informal flower—rose pink. Plants are rugged in growth.
Each, 50c.

JOSEPHINE G. (I.D.). Color, true pink, some petals tipped with yellow, flowers held well above the foliage.
Each, 40c.

MECCA, (I.D.). A much admired variety, and justly so. It has the virtue of size, beautiful color, and most artistic form. It is a sport of Dixie Wyandotte; a striking color combination of pink, with wine marking. A rugged grower with erect stems, holding the flowers well above dark green, insect resistant foliage.
Each, 75c.

MISS OAKLAND, (D.). White, very attractive.
Each, 40c.

D. M. MOORE, (D.). Maroon, almost black.
Each, 35c.

MONMOUTH CHAMPION. An immense, brilliant flame-colored flower, with vigor, habit, stems and blooming qualities all that could be desired.
Each, 40c.

MRS. I. DE VER WARNER, (F.D.). A large mauve pink flower on long, strong stems.
Each, 35c.

MRS. GEO. LE BOUTILLIER, (I.D.). Deep carmine red. Ten to twelve inch flowers are not unusual in this variety.
Each, 40c.

OCTOBER SUNSHINE, (I.D.). Deep golden yellow flowers on tall, strong stems. Excellent for cut flowers.
Each, 35c.

ORINDA, (F.D.). Rich silvery mauve pink without shadings. Immense blooms held gracefully on long, stiff stems.
Each, 45c.

OYSTER BAY BEAUTY, (F.D.). Large, oxblood red; a good keeper. Flowers profusely all season.
Each, 35c.

RED CHIEF, (Ball). A bright red ball. The striking color makes this variety a garden favorite.
Each, 35c.

POMPONS

AMBER QUEEN, (P.). Apricot and amber. Free flower, early.
Each, 35c.

CARDINAL, (P.). Bright cardinal red. A strong grower and free bloomer.
Each, 35c.

CORAL BEAUTY, (P.). Coral pink.
Each, 35c.

PHYLLIS, (P.). Purple.
Each, 35c.

G & O

the food "WHAT AM"
for
Dahlias, Lilies,
Gladiolus
Bulbs and Tubers.

Grow prize winning
blooms with this 5-6-15
fertilizer.

5 lbs., 65c; 10 lbs., \$1.15

ST. LOUIS SEED COMPANY'S SELECT GLADIOLIUS



Culture: Gladiolus can be successfully grown in practically any soil and respond wonderfully to a little attention, such as timely watering and cultivation (Planting). Have soil loose; make trench or hole deep enough so that bulbs can be covered with three inches of soil (sandy soil five inches). Plant bulbs three inches apart in row. Use a complete fertilizer at planting time and again when buds first appear.

By mail add postage 8c per doz.

RED SHADES

BEACON. Bright red with canary yellow throat. Very attractive.

Each, 8c; doz., 85c; 100 for \$6.00.

DREAM OF BEAUTY. Large rose red blooms. A fine color and vigorous grower.

Each, 8c; doz., 85c; 100 for \$3.00.

JULES AMOTT. Deep red. Tall spike.

Each, 10c; doz., \$1.10; 100 for \$3.00.

NEW EUROPE. Large sparkling orange-scarlet. Each, 10c; doz., \$1.10; 100 for \$3.00.

RED LIGHTNING. Bright pleasing red with cream blotch in the throat.

Each, 8c; doz., 85c; 100 for \$6.00.

VAGABOND PRINCE. Iridescent, garnet brown, lighter in upper throat, small flame, scarlet blotch below. The color combination is very attractive.

Each, 8c; doz., 85c; 100 for \$3.00.

SPECIAL GLADIOLUS MIXTURE
Package of 25 bulbs, assorted colors,
\$1.00; by mail, \$1.10.

PINK SHADES

MARGARET FULTON. Tall spike, large flowers, coral pink with light throat.

Each, 8c; doz., 85c; 100 for \$6.00.

PEGGY LOU. Very large shrimp pink flowers on tall spikes.

Each, 8c; doz., 85c; 100 for \$6.00.

PHILIS McQUISTON. Clear light rose pink florets, perfectly arranged on straight spike.

Each, 8c; doz., 85c; 100 for \$6.00.

PICARDY. Delicate flesh pink, large blooms, many open at one time.

Each, 8c; doz., 85c; 100 for \$6.00.

ROSA VAN LIMA. Light rose with darker lines in the throat. Tall straight spike.

Each, 8c; doz., 85c; 100 for \$6.00.

YELLOW SHADES

BIT O'HEAVEN. Rich orange. Very tall.

Each, 8c; doz., 85c; 100 for \$6.00.

GOLD EAGLE. Color a rich Daffodil yellow, medium size flowers, fine for cutting.

Each, 8c; doz., 85c; 100 for \$6.00.

OREGON GOLD. A massive five-foot plant, carrying 20 to 24 buds and flowers. Florets, large and 9 to 10 open at once. A large medium yellow blending to deep yellow in throat.

Each, 10c; doz., \$1.10; 100 for \$8.00.

BLUE SHADES

AVE MARIA. Extremely good blue-purple. Strong grower, flowers well arranged.

Each, 9c; doz., 95c; 100 for \$7.00.

CHAS. DICKENS. Strong, straight spikes with large violet flowers.

Each, 8c; doz., 85c; 100 for \$6.00.

LAVENDER RUFFLES. Pinkish lavender of a beautiful clear, shade, somewhat ruffled. Opens several well arranged blooms on a medium height spike. Its fine cleancut appearance and earliness should make this a popular variety.

Each, 8c; doz., 85c; 100 for \$6.00.

WHITE SHADES

MARGARET BEATON. Ivory white with orange scarlet blotch in throat. Flowers large on tall spike.

Each, 8c; doz., 85c; 100 for \$6.00.

MAID OF ORLEANS. An excellent pure white, florets well placed on good stems.

Each, 8c; doz., 85c; 100 for \$6.00.

SHIRLEY TEMPLE. A large ruffled creamy white. Flowers well placed on tall spike.

Each, 8c; doz., 85c; 100 for \$6.00.

CHOICE MIXED GLADIOLUS. Large bulbs. This is our most popular assortment. A mixture of many fine varieties. An array of colors from pure white, yellow, pink, blue and red.

Each, 7c; doz., 70c; 100 for \$5.00.

Everblooming Field-Grown Roses

PATENTED ROSES

COUNTESS VANDAL. Very long, graceful buds, opening slowly to beautiful high centered flowers. Color coppery bronze and pink, suffused gold. Each, \$1.35.

CRIMSON GLORY. Deep crimson flowers on good stems. Vigorous grower. Each, \$1.50.

ECLIPSE. Long buds of rich golden yellow with shading. Each, \$1.35.

HEART'S DESIRE. Long pointed buds and double flowers. Color clear red, does not fade. Received highest award in All-America Rose Selection. Each, \$1.50.

MIRANDY. The plants have an abundance of dark green leathery and disease-free foliage. Color crimson red with darker shading. Very full high centered blooms. Each, \$1.50.

PEACE. A beautiful creation, distinguished by the changing colors through which it passes—pale gold, cream, ivory and white; cerise, rose and pink. Huge yellow buds, edged with cerise, hardy and vigorous. Mild fragrance. Each, \$2.00.

PINOCCHIO. Hardy, easy to grow. A continuous artistic spray of small pointed buds, opening into double soft clear pink flowers. Each, \$1.25.

REX ANDERSON. An outstanding white rose, perfectly formed, slow opening, fully double flowers. Each, \$1.50.

WILL ROGERS. Very double, dark velvety crimson maroon. Free blooming. Strong, vigorous plants. Each, \$1.25.



Pres. Herbert Hoover



PATENTED CLIMBING ROSES

BLAZE. Vivid scarlet red flowers. An ever-blooming form of Paul's Scarlet. Each, \$1.50.

DOUBLOONS. Growth vigorous, healthy, blooms large golden yellow. Very hardy. Each, \$1.50.

POLYANTHA ROSES

CAMEO. Soft salmon pink suffused with gold. Flowers produced in clusters. A continuous bloomer.

DAGMAR SPATH. Large trusses of pure white flowers. Produced freely all summer.

ELSE POULSEN. Bright rose pink, semi-double. Flowers in clusters from June until late fall.

IDEAL. A good grower and continuous bloomer, large clusters of bright red flowers.

Polyantha Roses, each, 85c; per doz., \$9.60

CLIMBING ROSES

CLIMBING AMERICAN BEAUTY. Brilliant carmine flowers of fine form borne in clusters.

MARY WALLACE. Well formed rose pink blossoms, with salmon base.

PAUL'S SCARLET. The flowers are most vivid scarlet red and are produced in great profusion. Plants of moderate growth and have good foliage.

CLIMBING RED RADIANCE. Large flowers of radiance type. Color bright cerise red.

CLIMBING TALISMAN. A favorite two-toned variety, rich yellow and rose red. Long buds, borne on individual stems.

Climbing Roses, each, 75c; per doz., \$8.40

Everblooming Field-Grown Roses

STANDARD VARIETIES

Our hardy dormant Roses are ready for delivery first of March. Plants travel best by Express. By Parcel Post, add 5c each for postage. No plants sent C. O. D.

Please Note: We send out only strong, healthy rose plants, and cannot be responsible for the care and growth after leaving our hands. If plants do not reach you in good condition, please notify us at once upon arrival.

85c Each \$9.60 Per Dozen

HYBRID TEA ROSES RED

AMI QUINARD. Blackish crimson buds, flowers when open maroon red.

CHAS. K. DOUGLAS. Plants are strong, bushy, free flowering, buds long pointed. Crimson scarlet.

CHRISTOPHER STONE. Large Double vivid scarlet flowers. Plants of upright growth.

DIRECTOR RUBIO. Bud and flower very large, light red. Disease resistant foliage. A bushy, vigorous grower.

E. G. HILL. Beautiful long pointed buds, full double high centered flowers. Scarlet red shading to dark red.

ETOILE DE HOLLANDE. A brilliant dark red rose of magnificent size and perfect form.

GRENOBLE. Becoming deservedly popular because of its profusion of long stemmed beautifully shaped blooms of scarlet crimson.

McGREDDY'S SCARLET. The double flowers are brilliant scarlet, orange at the base of each petal. Beautiful buds.

NIGHT. Plants are strong, have good foliage. Flowers very dark maroon (almost black).

POINSETTIA. Color, poinsettia scarlet; a most brilliant rose with long pointed buds. A vigorous and free blooming plant.

RED RADIANCE. An ideal bedding rose that produces large bright cerise red blossoms throughout the summer.

VICTORIA HARRINGTON. Long pointed buds, rich blooms, curved petals. A hardy, continuous bloomer.



HYBRID TEA ROSES PINK

BETTY UPRICHARD. Long lasting blooms of brilliant carmine orange on outer side of petals, soft pink inside. A profuse bloomer.

BRIARCLIFF. Fine, handsome flowers of an even shade of silvery rose-pink.

EDITOR McFARLAND. A large well formed flower, brilliant pink, good foliage and stems.

EDITH NELLIE PERKINS. A vigorous grower and free flowering long pointed buds, outside orange scarlet shaded cerise, inside salmon pink.

MADAME BUTTERFLY. Combine white, bright pink, apricot and gold and you have Mme. Butterfly. The medium sized tight buds are tinged red.

MRS. CHAS. BELL. A lovely shell pink, blooms shaded salmon. Very free bloomer.

PICTURE. A strong grower, free bloomer. Color a soft pink with undertones of salmon.

PINK DAWN. A strong vigorous plant, blooms are deep rose pink with gold base.

RADIANCE PINK. The ideal bedding rose that continues to produce throughout the most unfavorable weather. Color light carmine pink.

THE DOCTOR. A very fine glowing pink with satiny pink edges. Fragrant. Ideal for cutting.

**HYBRID TEA ROSES
YELLOW**

GOLDEN DAWN. Sunflower yellow, changing to lemon yellow. Very double.

GOLDEN RAPTURE. A glowing rich yellow bud, opening into large double blooms that do not fade.

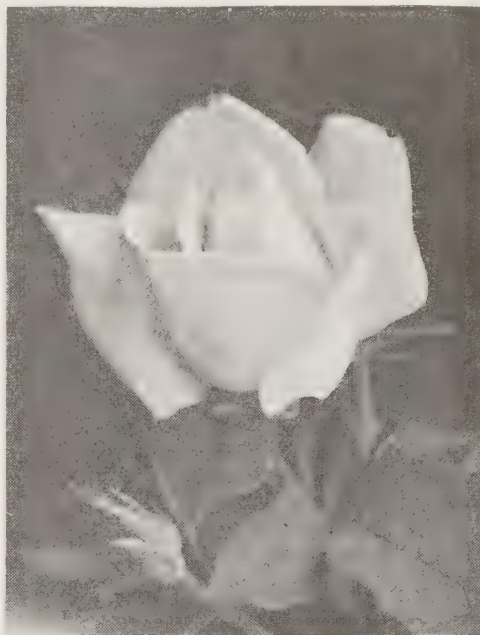
JOANNA HILL. Flowers light yellow, good stems, free flowering.

MRS. E. P. THOM. Color pure, deep yellow, good buds and stems for cutting.

MRS. PIERRE S. DUPONT. Medium size, long pointed buds of reddish gold, opening to a deep golden yellow. Fragrant, free flowering.

PHYLLIS GOLD. Strong plants that produce a profusion of well formed buttercup yellow blooms.

SISTER THERESE. Well formed buds are chrome yellow, marked carmine, opening to a rich buttercup yellow.



**HYBRID TEA ROSES
TWO-TONE**

CONDESA DE SASTAGO. A large double rose, color deep coppery pink inside, golden yellow reverse.

HEINRICH WENDLAND. Large double blooms distinctively two-toned nasturtium red inside, reverse golden yellow.

PRESIDENT HERBERT HOOVER. Good buds, large flowers of a combination of cerise pink, scarlet and yellow. Clean dark green foliage.

TALISMAN. The most vivid color yet found in roses. Buds are brilliant red and gold, opening to scarlet and yellow.



**HYBRID TEA ROSES
ORANGE COPPER**

DUCHESS OF ATHOLL. Large, pointed buds, vivid orange shading to old rose.

DUQUESA DE PENARANDA. The large buds are a blend of apricot orange and pink, opening to a coppery apricot.

MME. JOSEPH PERRAUD. Perfectly formed buds and double blooms that shade from shell pink at the edges to buff orange in center.

MRS. SAM MCGREDDY, H. T. Long buds of copper shaded scarlet.

**HYBRID TEA ROSES
WHITE**

CALEDONIA. An exceptionally fine white rose, long pointed buds and high centered very double blooms.

KAISERIN AUGUSTA VICTORIA. A strong healthy plant producing beautifully formed pearly white flowers.

MME. JULES BOUCHE. Long, tight buds. Good stems and foliage. Color white with blush tints in center.

MCGREDDY'S IVORY. Large well formed creamy white blossoms.

HYBRID PERPETUAL ROSES

AMERICAN BEAUTY. Large, fragrant blooms. Color deep pink, shaded carmine.



ROSE FOOD. Roses require a different kind of feeding. G. & O. Rose Food is a special mixture of dried blood, fish scrap, bone meal, Guano, potash, cotton seed meal, nitrate of soda, superphosphate, and powdered poultry manure. Analysis 7-8-5.

1 lb. pkg., 20c; 5 lbs., 65c; 10 lbs., \$1.15; 25 lbs., \$2.50; 100 lbs., \$8.50.

Hardy Ornamental Shrubs

Ready for shipment from March 1st to April 10th.

Note: Shrubs will be shipped on receipt of orders or as soon as dug, unless instructed to the contrary. No plants sent C. O. D. All shrubs are 2 to 4 feet high, strong healthy plants. We are not responsible for the care and growth, after they leave our hands. If plants do not reach you in good condition please notify us upon arrival. If wanted by parcel post add 5c for each plant.



Butterfly Bush

ALTHEA (Rose of Sharon)

The Altheas are among the most valuable of our tall, hardy shrubs on account of their late season of blooming, which is from August to October; grow about 8 feet high.

Pink. Each, 50c.

White. Each, 50c.

Red. Each, 50c.

BUDDLEIA (Butterfly Bush)

DAVIDII MAGNIFICA (Oxeye Butterfly Bush.)

The old favorite, with deep lavender spikes from June until late summer.

Each, 70c.

DUBONNET. Spikes of deep claret-purple. Very vigorous and free flowering.

Each, 75c.

CALYCANTHUS

FLORIDUS. A very pretty shrub flowering during May. The flowers are double, chocolate-colored, strawberry scented. Height 6 ft.

Each, 90c.

CREPE MYRTLE (Lagerstroemia)

INDICA. A beautiful shrub, blooming late in summer. Protect in winter as you do roses.

Red. Each, 90c.

White. Each, 90c.

Purple. Each, 90c.

CYDONIA, Japonica

FLOWERING QUINCE. Semi-upright shrub, bearing a profusion of light red flowers in early spring, fragrant fruit in fall.

Each, 65c.

FORSYTHIA

A very decorative shrub with bright golden yellow, star-shaped flowers which burst into bloom at the beginning of spring while the bush is otherwise bare; grows about 6 ft.

INTERMEDIA. Flowers bright yellow, glossy green foliage, 3 or 4 ft. extra bushy.

Each, 90c.

SPECTABILIS. Hardest of all Forsythias. A very profuse bloomer. Highly ornamental. Large rich yellow flowers.

Each, 90c.

HYDRANGEA

ARBORESCENS GRANDIFLORA ALBA (Snow-ball Hydrangea). The snow-white blooms are of the largest size coming into flower early in June and lasting until late in August. Especially suited for shaded places; grows about 5 ft. high.

Each, \$1.10.

PANICULATA GRANDIFLORA. The large panicles of white flowers are at their best during August; later they take on a reddish cast; grows about 5 ft. high.

Each, \$1.10.

LILAC OR SYRINGA

PURPLE. Very free bloomer of large flowers; an excellent variety.

Each, 70c.

LONICERA (Upright Honeysuckle)

TATARICA GRANDIFLORA ROSEA. A beautiful shrub, very vigorous, and producing bright red flowers in June; grows about 8 ft.

Each, 65c.

MAGNOLIA SOULANGEANA

The well known shrub Magnolia, whose flowers appear before the leaves. An upright grower. Flowers open light purple at the base, shading to pink.

Cannot supply.

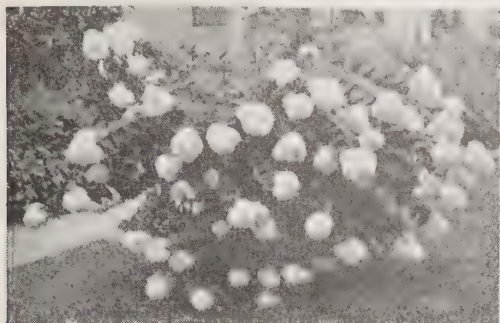
PHILADELPHUS (Mock Orange)

GRANDIFLORUS (Mock Orange). Grows 10 ft. high. For grouping with other shrubs, forming large screens or hedges which may not require pruning, or used as single specimen lawn plants they are desirable. Fragrant, white flowers in dense clusters.

Each, 65c.

VIRGINAL. The outstanding favorite Philadelphus. Its fragrant, semi-double white flowers appear intermittently all Summer. Slow grower. 8 ft.

Each, \$1.10.



Hydrangea P. G.

SPIREA

VAN HOUTTE. It is a beautiful ornament for the lawn at any season, but when in flower it is a complete fountain of white bloom, the foliage hardly showing. Grows 6 ft. high.
Each, 60c.

TAMARIX

HISPIDA. A refined graceful shrub. Foliage is very delicate and feathery. Flowers are light pink, borne in loose sprays.
Each, 50c.

VIBURNUM

COMMON SNOWBALL. (*V. opulus sterile*). This old-fashioned favorite grows most anywhere. Attains a height of 6 to 8 ft.
Each, \$1.10.

CARLESI. A most desirable shrub, bearing clusters of pink waxlike flowers, possessing a delightful fragrance.
Each, 80c.

VITEX (*Macrophylla*)

This rare plant should be in every garden. The blue flowers are borne profusely on terminal spikes during midsummer. The leaves are deeply cut to star shape. 5 ft.
Each, 90c.

WEIGELAS

EVA RATHKE. Medium height with spreading branches. The flowers are rich red and produced in great profusion in the spring and at intervals throughout the summer.
Each, 90c.

ROSEA. The flowers are rose pink. Plants are spreading, height about 5 ft.
Each, 60c.

HEDGE PLANTS

CALIFORNIA PRIVET. Privet is somewhat of an Evergreen nature and looks attractive until real winter sets in. Plants should be set 12 in. apart in double rows, in zig-zag fashion. 2-year-old, 24 to 30 in.
10 for \$1.25; 20 for \$2.40; 100 for \$11.00.

BERBERIS THUNBERGI (Barberry). Perfectly hardy. Will make a dense hedge from 12 to 18 in. high.
Each, 30c; 10 for \$2.30; 100 for \$21.00. If available.

RED-LEAVED BARBERRY. It is similar in all respects to the green-leaved Barberry which is so popular, but the foliage is bronzy red.
Each, 65c; 10 for \$6.00.

VINES

AMPELOPSIS (*Boston Ivy*)

VEITCHI. This is the most deservedly popular of all climbing plants, being entirely hardy in the most exposed places and attaining a height of 30 ft. in two or three years; clings to stone, brick or woodwork with the greatest tenacity.
Each, 95c.

CLEMATIS

PANICULATA. This grand climbing vine is one of the most valuable for porches. Blooms in the early fall, fleecy-white, fragrant flowers. Strong two-year plants.
Each, 95c.

HONEYSUCKLE

HALLIANA. A strong, vigorous, almost ever-green sort; white flowers changing to yellow; very fragrant; flowering from July until frost.
Each, 45c.

SCARLET TRUMPET. An attractive vine with large light green foliage and showy coral-red flowers.
Each, 50c.

WISTERIA

W. SINENSIS (Chinese). Flowers in clusters; purple; sometimes gives a second crop of flowers in the fall. Strong plants.
Each, 60c.



Wisteria

GRAPE VINES

CONCORD. Is a very vigorous grower, hardy and very productive. It ripens during mid-season, and is rated as the best money-making commercial variety.
Each, 30c; 4 for \$1.00.

VEGETABLE SEEDS

ARTICHOKE, Green Globe. The plants of medium height. The edible buds or flower heads are deep green, globe-shaped. The fleshy scales are moderately broad and full at base and are regarded as a delicacy.

Pkt., 10c; 1/2 oz., 30c; oz., 50c; 1/4 lb., \$1.50.

ASPARAGUS, Martha Washington. (One ounce will sow 50 feet of drill.) The shoots of this vigorous and prolific variety are large, deep green, tinged with purple at the tips, and are resistant to Asparagus Rust.

Pkt., 10c; oz., 20c; 1/4 lb., 65c; lb., \$2.00.

ASPARAGUS ROOTS

Extra Choice Two-Year Roots

Doz. 4 Doz. 8 Doz.

Washington Rust-proof. . \$.25 \$.90 \$1.75
(By parcel post, add 5c per dozen postage.)

DWARF BEANS

One pound will plant 100 feet of row;
thirty pounds will plant an acre.

At the following prices on Beans, packets up to five pounds are sent prepaid, all larger quantities are shipped at purchaser's expense.

Write for prices in larger quantities.

GREEN-PODDED VARIETIES

LOGAN. 48 days. Bred by the Florida Experiment station to thrive in hot summer, this has all the quality of Tendergreen, but is much heavier yielding. Each crop matures quickly, but other crops follow. Much in demand while seed is scarce.

Pkt., 10c; 1/2 lb., 35c; lb., 60c.

LONGREEN. 52 days. Awarded Bronze Medal, 1946. Of the Tendergreen type. Longer round pods are crisp and stringless. Good cropper.

Pkt., 10c; 1/2 lb., 35c; lb., 60c.

BOUNTIFUL STRINGLESS. 48 days. This is the best flat-podded stringless variety. The light green pods are 6 1/2 to 7 inches long, stout, flat, somewhat curved, absolutely stringless.

Pkt., 10c; 1/2 lb., 30c; lb., 50c; 5 lbs., \$2.25.

TENDERGREEN STRINGLESS. 56 days. A very high quality green-podded sort, producing large pods, some of which measure 6 inches in length, of the finest quality. Pods are perfectly round.

Pkt., 10c; 1/2 lb., 30c; lb., 50c; 5 lbs., \$2.25.

STRINGLESS GREEN POD—Burpee's. 52 days. A very desirable dwarf green-podded snap Bean largely grown for the market. The pods are medium green, 5 to 6 inches long, are of high quality and remain crisp and tender.

Pkt., 10c; 1/2 lb., 30c; lb., 50c; 5 lbs., \$2.25.

SOY BEAN BANSEI—(Edible). Bansei is one of the earliest and most productive of the edible soys. The plants grow 24 inches high. Do not require support.

Pkt., 10c; 1/2 lb., 25c; lb., 40c.

THE COMMODORE. (A Dwarf Kentucky Wonder.) Pods 8 to 9 inches. Excellent quality. Very fleshy, brittle, and of fine texture, stringless. Medium early. Plants are vigorous, of an upright growth so that the pods seldom touch the ground. An All-America Selection.

Pkt., 10c; 1/4 lb., 20c; 1/2 lb., 35c; lb., 65c.

RED VALENTINE STRINGLESS. 45 days. Plants strong and vigorous; pods green, medium length with creases in the back; very fleshy, crisp and tender.

Pkt., 10c; 1/2 lb., 30c; lb., 50c; 5 lbs., \$2.25.

WHITE NAVY. (Shell Bean.) The famous little white soup Bean.

Pkt., 10c; 1/2 lb., 20c; lb., 35c; 5 lbs., \$1.50.

WAX-PODDED VARIETIES

BRITTLE WAX. 48 days. This round-podded Dwarf Wax Bean has attained the top notch among Beans of this class, the pods average 5 to 6 inches in length, a round-podded wax variety; they are very solid, meaty and tender.

Pkt., 10c; 1/2 lb., 30c; lb., 50c; 5 lbs., \$2.25.

GOLDEN WAX. 48 days. A splendid home garden variety; also much used for canning. Plant small, productive. Pods very attractive; golden yellow; 4 1/2 to 5 inches long, thick, oval, fleshy, brittle, stringless.

Pkt., 10c; 1/2 lb., 30c; lb., 50c; 5 lbs., \$2.25.

POLE BEANS

One pound will plant 100 feet of row;
thirty pounds will plant an acre.

KENTUCKY WONDER, Old Homestead. 65 days. Unexcelled for home and market garden, thrifty, heavily productive. Pods medium green; 8 to 9 inches long, nearly round and 1/2 inch in diameter; slightly stringy, fleshy.

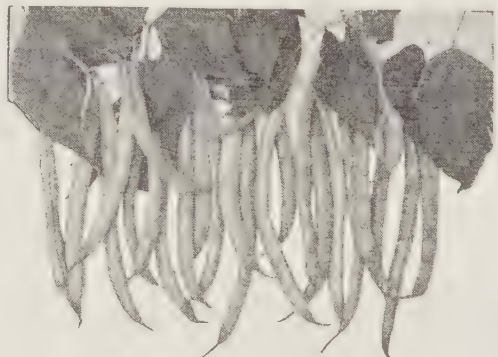
Pkt., 10c; 1/2 lb., 30c; lb., 50c; 5 lbs., \$2.10.

WHITE PERFECTION. (St. Louis White Cornfield) 65 days. An early maturing, green-podded, white-seeded pole sort, desirable for snaps and unsurpassed in its class as green shell beans. The pods are round, very long, often 8 to 9 inches.

Pkt., 10c; 1/2 lb., 30c; lb., 50c; 5 lbs., \$2.25.

YARD LONG POLE BEAN. (A novelty). Excellent climber and heavy producer. Pods medium green, 20 to 30 inches long.

Pkt., 10c; 1/4 lb., 20c; 1/2 lb., 30c; lb., 50c.



Stringless Green Pod

DWARF or BUSH LIMA BEANS

One pound will plant 60 feet of row.

BURPEE'S IMPROVED BUSH LIMA. 75 days. Plant large, productive. Pods large, 4½ to 5 inches long; usually contain 4 large, thick beans. Dry beans large, flat, greenish white. Pkt., 10c; ½ lb., 30c; lb., 50c.

FORDHOOK BABY LIMA. A dwarf baby lima with plump potato shaped green beans. Pods 2 to 3 inches long. Plants 18 inches tall. Pkt., 10c; ½ lb., 30c; lb., 50c; 5 lbs., \$2.25.

HENDERSON'S BUSH (Baby Lima). 65 days. Popular for canning. Very productive. Pods 3 inches long, contain 3 to 4 seeds. Splendid quality. Pkt., 10c; ½ lb., 30c; lb., 50c; 5 lbs., \$2.25.

POLE LIMA BEANS

WOOD'S IMPROVED. 80 days. These Beans have a creamy white color, in large pods; more delicious than the ordinary Lima Bean. Pkt., 10c; ½ lb., 30c; lb., 50c; 5 lbs., \$2.25.

KING OF THE GARDEN. 84 days. Pods about 4½ to 5½ inches long, dark, large and containing about 3 or 4 beans to the pod. Seed flat and white with a slight green tinge. Pkt., 10c; ½ lb., 30c; lb., 50c; 5 lbs., \$2.25.

FLORIDA SPECKLED (Calico Pole Butter Bean). 78 days. A hardy and vigorous variety that adapts itself readily to adverse weather conditions. Pkt., 10c; ½ lb., 30c; lb., 50c; 5 lbs., \$2.25.

BEETS

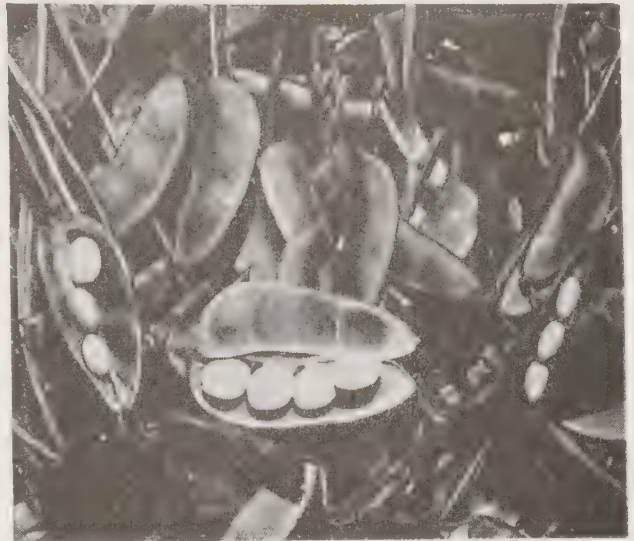
One ounce to 100 feet; 5 lbs. to acre.

DETROIT DARK RED. 55 days. The standard of excellence in table Beets for home and market garden, for shipping, and for canning. Roots globe-shaped; very dark blood red. Pkt., 10c; oz., 20c; ¼ lb., 55c; lb., \$1.75; 5 lbs., \$7.50.

EARLY WONDER. 54 days. This is the earliest Beet for bunching purposes. Deep blood-red, nearly globular root. Its attractive appearance makes it valuable for market garden. Pkt., 10c; oz., 20c; ¼ lb., 55c; lb., \$1.75; 5 lbs., \$7.50.



Early Wonder Beet



Henderson Bush Lima

EDMAND'S BLOOD TURNIP. The attractive roots are uniform and smooth. The flesh is tender. An excellent canner. Pkt., 10c; oz., 20c; ¼ lb., 55c; lb., \$1.75; 5 lbs., \$7.50.

CROSBY'S EGYPTIAN (Selected.) 56 days. The roots are flattened, globe-shaped and very smooth. This is one of the best for early planting outdoors. Pkt., 10c; oz., 20c; ¼ lb., 55c; lb., \$1.75; 5 lbs., \$7.50.

BEEF SPINACH or SWISS CHARD

LARGE RIBBED WHITE. The leaves are broad, somewhat wavy stalks broad and white. Pkt., 10c; oz., 15c; ¼ lb., 50c; lb., \$1.50.

LUCULLUS. Large leaves are wrinkled with thick midribs, tender and of good flavor. Pkt., 10c; oz., 15c; ¼ lb., 50c; lb., \$1.50.

MANGELS or STOCK BEET

One ounce of seed plants 100 feet; 5 lbs. per acre.

GIANT HALF-SUGAR, ROSE TOP. Roots long, oval, tapered; grayish white with rose-colored shoulder; flesh white, rich in sugar. Pkt., 10c; oz., 15c; ¼ lb., 50c; lb., \$1.50.

MAMMOTH LONG RED. Roots very large; long spindle shape, straight and thick; grow one-third to one-half out of ground; light red; flesh white tinged with rose. Pkt., 10c; oz., 15c; ¼ lb., 50c; lb., \$1.50.

BORAGE

A hardy annual used as a pot herb and for bee pasturage. The bruised leaves immersed in water give it an agreeable flavor. Pkt., 10c; ½ oz., 25c; oz., 40c; ¼ lb., \$1.35; lb., \$4.50.

BROCCOLI

Closely allied to the Cauliflower. It is generally considered more hardy. Sow seed in frames early in spring, culture same as cauliflower.

GREEN SPROUTING CALABRESE. The plants form a large, solid head which remains green. After this head is cut out, a number of sprouts develop from the leaf-axils, each sprout terminating in a small head about one inch in diameter. Pkt., 10c; ½ oz., 25c; oz., 45c; ¼ lb., \$1.45.



Copenhagen Market

CABBAGE

One ounce will produce about 2,000 plants; ¼ lb. seed in beds will produce plants for one acre.

Culture: Sow the early kinds in hotbeds in February and March and in the open ground in April and May. The late varieties for fall and winter use sow in May, and transplant in July. Plant the early sorts 20 inches distant in a row 2 feet between the rows; the later sorts 2½ feet each way. To be well grown, Cabbages require a deep, rich loamy soil.

ALL SEASON or SUREHEAD. 85 days. The name best describes this variety as it is sure-headed, of the flat Dutch type of heads and a first class main crop. The heads are very large and solid.

Pkt., 10c; ½ oz., 25c; oz., 40c; ¼ lb., \$1.25.

CHARLESTON or LARGE WAKEFIELD. 70 days. The hardiness and size of this first early variety have made it very popular. It is especially recommended for succession to follow Jersey Wakefield.

Pkt., 10c; ½ oz., 25c; oz., 40c; ¼ lb., \$1.25.

COPENHAGEN MARKET. 65 days. The compact growth of the plant, the solidity of the head, its excellent flavor, and earliness. Copenhagen Market is one of the most popular early Cabbages.

Pkt., 10c; ½ oz., 25c; oz., 45c; ¼ lb., \$1.45.

EARLY DWARF FLAT DUTCH. 70 days. Plants compact; stem short. Heads almost ball-shaped; commonly 7 to 8 inches in diameter, 6 inches deep, and weigh 4½ to 5 lbs.; firm and of high quality.

Pkt., 10c; ½ oz., 25c; oz., 40c; ¼ lb., \$1.25.

EARLY JERSEY WAKEFIELD. 62 days. Extremely early variety, very valuable for home and market garden. Heads firm and conical, usually 7 inches long, 5 inches thick near base.

Pkt., 10c; ½ oz., 25c; oz., 40c; ¼ lb., \$1.25.

GOLDEN ACRE. 62 days. The earliest round headed Cabbage; especially valuable for early market and shipping. Plants compact; stem short; heads uniformly round; firm, commonly 6 inches in diameter and weigh 3 pounds. This is similar to Copenhagen Market but is several days earlier, and the heads are smaller.

Pkt., 10c; ½ oz., 25c; oz., 45c; ¼ lb., \$1.45.

MARION MARKET. (Yellow Resistant.) 85 days. This was originally bred from Copenhagen Market. It takes about 20 days longer to mature.

Pkt., 10c; ½ oz., 25c; oz., 45c; ¼ lb., \$1.45.

Cabbage—Continued

SUPERIOR LATE FLAT DUTCH. 100 days. We recommend this sort for markets that require a large and deep head. The plants are large, fairly compact.

Pkt., 10c; ½ oz., 25c; oz., 40c; ¼ lb., \$1.25.

RED CABBAGE

MAMMOTH ROCK RED. The largest and surest heading red Cabbage.

Pkt., 10c; ½ oz., 25c; oz., 45c; ¼ lb., \$1.45.

SAVOY or CURLED CABBAGE

PERFECTION LATE SAVOY. The best of the main crop and late Savoys for home use or market.

Pkt., 10c; ½ oz., 25c; oz., 45c; ¼ lb., \$1.45.

CHINESE or CELERY CABBAGE

Culture: This is not a true Cabbage and is often called Celery Cabbage on account of the shape of the heads which resemble celery. The flavor is distinct. It combines the qualities of both celery and cabbage and is highly prized as a salad vegetable. Plant seed out-of-doors in early summer. Thin to 12 to 16 inches apart in the rows. If planted too early this species will "bolt" during hot weather and fail to form heads.

CHIHILI. This is a sure heading, vigorous growing variety with erect, cylindrical pointed head 18 to 20 inches long.

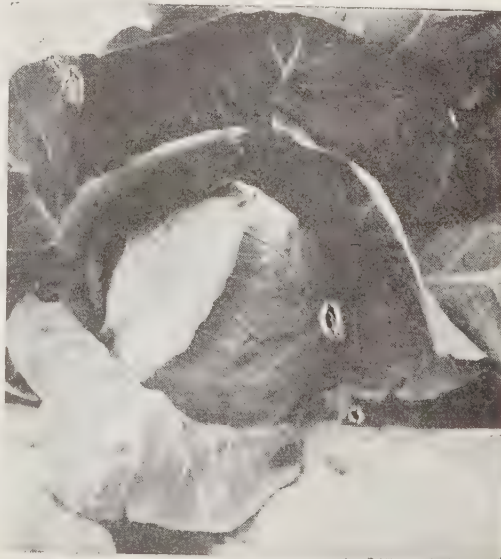
Pkt., 10c; oz., 25c; ¼ lb., 75c.

BRUSSELS SPROUTS

They are grown wherever conditions are favorable for late cabbage and require the same culture. They mature best in the autumn after the weather becomes cool.

LONG ISLAND IMPROVED. Plant dwarf and compact; 20 inches tall; very uniform; stem well covered with firm, round, cabbage-like balls of 1¼ to 1½ inches in diameter.

Pkt., 10c; ½ oz., 30c; oz., 50c; ¼ lb., \$1.50.



Charleston Wakefield

CARROTS

One ounce will sow 100 feet of drill.

Culture: April is the time to sow for early use. Sow seeds in drills 12 to 15 inches apart, covering seed about $\frac{1}{4}$ inch. For general crop sow in May and June.

CHANTENAY HALF-LONG SCARLET or MODEL. 70 days. Roots about 5 to 6 inches in length, 2 to $2\frac{1}{2}$ inches thick at the crown, smooth and tapering. Small top set in a slight depression. Color deep orange red. A fine medium early, half-long, stump-rooted.
Pkt., 10c; oz., 25c; $\frac{1}{4}$ lb., 75c; lb., \$2.50.

RED-CORED CHANTENAY. 70 days. This is a distinct improvement over the well known Chantenay. Roots $5\frac{1}{2}$ to 6 inches long, $2\frac{1}{4}$ inches thick at the shoulder, tapered, stump-rooted; flesh and core reddish orange.
Pkt., 10c; oz., 25c; $\frac{1}{4}$ lb., 75c; lb., \$2.50.

DANVERS HALF-LONG. (Red Cored). 75 days. For a general crop Danvers Half-Long Carrot stands supreme; a half-long orange Carrot. The tops are of medium size. The mature roots are 6 to 8 inches long.
Pkt., 10c; oz., 25c; $\frac{1}{4}$ lb., 75c; lb., \$2.50.

IMPERATOR (Bunching Carrot). 80 days. An unusually fine variety high quality roots, rich orange, very little core, and of fine sweet flavor.
Pkt., 10c; oz., 25c; $\frac{1}{4}$ lb., 75c; lb., \$2.50.

OX-HEART or GUERANDE. 70 days to produce roots of good table size. Roots scarlet-orange; broad, blunt, heart-shaped; become $4\frac{1}{2}$ to 5 inches long.
Pkt., 10c; oz., 25c; $\frac{1}{4}$ lb., 75c; lb., \$2.50.

ST. VALERY. 85 days. The roots are very deep orange, long and comparatively thick, often 12 inches in length and 3 inches in diameter at the crown, tapering regularly to a point.
Pkt., 10c; oz., 25c; $\frac{1}{4}$ lb., 75c; lb., \$2.50.

CARDOON

CARDOON. Long, smooth stalks, requires blanching. Raised like celery. Tender roots used as a winter vegetable.

Pkt., 10c; $\frac{1}{2}$ oz., 35c; oz., 60c; $\frac{1}{4}$ lb., \$1.90.



Chantenay Half Long



Super Snowball

CAULIFLOWER

One ounce of seed will produce from 3,000 to 4,000 plants.

Culture: For spring and early summer crop, sow in February or early in March in hotbed. Seed should be thoroughly pressed into the ground after sowing. This insures quick germination. Cover seed with $\frac{1}{8}$ inch of fine soil. Transplant to cold frame when sufficiently large to handle. As soon as danger of hard freezing is over set in open ground in rows $2\frac{1}{2}$ to 3 feet apart and 18 inches apart in row.

SUPER SNOWBALL. 65 days. This Snowball is healthier and more vigorous than any of the old stocks. The head is perfectly protected by leaves until it reaches a size of five inches in diameter, when it needs to be tied up; and then, if growing conditions are favorable, the head will attain marketable size in a few days.
Pkt., 15c; $\frac{1}{4}$ oz., \$1.00; oz., \$3.50.

CELERY

One ounce will produce about 3,000 plants.

Culture: The proper time to sow is early in April, transplanting about the first of June. Set in rows 3 feet apart, and about 8 inches between plants in the row.

GIANT PASCAL. One of the old standard green varieties, exceptionally fine flavored and brittle. Our strain is comparatively free from soft stalks.

Pkt., 10c; $\frac{1}{2}$ oz., 40c; oz., 75c; $\frac{1}{4}$ lb., \$2.25.

GOLDEN PLUME. This strain of Celery closely resembles the old Golden Self-Blanching in crispness and flavor, but is distinctly larger and ranker in growth, more plainly ribbed, blanches more quickly, matures earlier.

Pkt., 10c; $\frac{1}{2}$ oz., 40c; oz., 75c; $\frac{1}{4}$ lb., \$2.25.

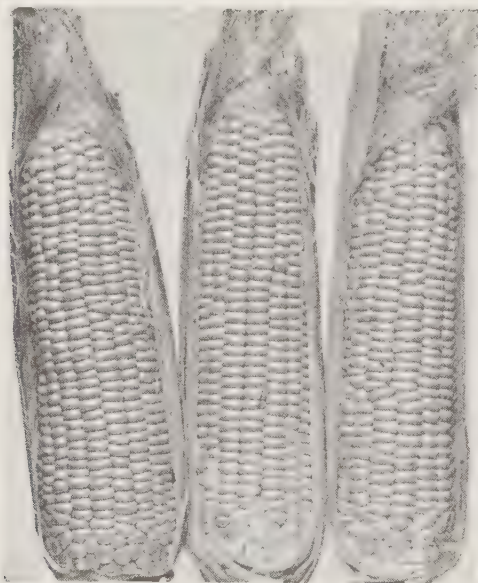
WHITE PLUME. The plants are of vigorous growth. They blanch easily and quickly.

Pkt., 10c; $\frac{1}{2}$ oz., 40c; oz., 75c; $\frac{1}{4}$ lb., \$2.25.

TURNIP-ROOTED CELERY

GIANT PRAGUE. An improved variety of turnip-rooted celery producing large tubers of nearly globular shape and comparatively smooth surface.

Pkt., 10c; $\frac{1}{2}$ oz., 40c; oz., 75c; $\frac{1}{4}$ lb., \$2.25.



Golden Cross Bantam

CELTUCE

When plants are young, the leaves may be used as lettuce or as boiling "greens." The stalks, when outer skin is removed, may be eaten raw or cooked.

Pkt., 10c; ¼ oz., 25c; ½ oz., 45c.

CHICORY

Culture: Sow seed at the same season and give the same treatment as celery. Transplant to moist, rich soil, in rows 2 feet apart and 6 inches apart in row. Give thorough culture. It is not necessary to earth up or "handle" the plants. After the roots are 2 inches in diameter, they are ready for use.

WHITLOOF. The seed should be sown during April in the open ground, in drills 10 to 12 inches apart. Allow the plants to grow until November, then take up and trim off the outer leaves and place in a trench 8 to 12 inches deep. For blanching place the roots upright, about 1½ inches apart.

Pkt., 10c; ½ oz., 35c; oz., 65c; ¼ lb., \$2.00.

LARGE-ROOTED. The dried and prepared roots are used quite extensively as a substitute or adulterant for coffee; the leaves are used for salad.

Pkt., 10c; ½ oz., 30c; oz., 50c; ¼ lb., \$1.75.

COLLARDS

GEORGIA or SOUTHERN. This vegetable grows 2 or 3 feet high and produces large light green leaves on rather long stems. A frost, if not too severe, will improve the quality.

Pkt., 5c; oz., 10c; ¼ lb., 25c; lb., 75c.

CORN SALAD

LARGE-LEAVED. During August and September sow the seed in shallow drills about 1 foot apart, covering with about one-fourth inch of fine soil firmly pressed down. On the approach of severe cold weather, cover with straw.

Pkt., 10c; oz., 30c; ¼ lb., 90c.

SWEET CORN

One pound of seed will plant about 100 hills;
10 pounds an acre in hills.

Culture: A rich warm soil is the best, but excellent Sweet Corn can be raised on any good soil, that is deeply and thoroughly worked before planting. If planted in hills, make the hills for the early varieties 3 feet apart each way and plant 4 to 6 kernels to the hill. For the later sorts the hills should be 3½ to 4 feet apart each way.

BLACK MEXICAN. Maturing in 85 days. This is one of the finest flavored Sweet Corns. When in table condition the kernels are pearly white.

Pkt., 10c; ½ lb., 25c; lb., 40c.

COUNTRY GENTLEMAN. Maturing in 100 days. Heavy yielding variety with Evergreen character. Plants 6½ to 7 feet tall, commonly with 2 or more ears, set solid with irregular rows of white kernels; very deep; sweet and tender.

Pkt., 10c; ½ lb., 25c; lb., 40c; 5 lbs., \$1.75.

GOLDEN BANTAM. Maturing in 75 days. The ear has eight straight rows of broad, meaty kernels which are a rich, golden yellow.

Pkt., 10c; ½ lb., 25c; lb., 40c; 5 lbs., \$1.75.

GOLDEN CROSS BANTAM. 88 days. A sturdy hybrid that stands adverse conditions. Ears are 7 to 8 inches long with 10 to 14 rows of highest quality golden yellow kernels. Produces marked increase in yield and surprisingly uniform stalks and ears.

Pkt., 10c; ½ lb., 35c; lb., 60c; 5 lbs., \$2.75.

GOLDEN ROCKET. 65 days. A yellow hybrid, earlier than Golden Bantam. Plants grow about 5½ ft. tall, have ears about 7½ in. in length, mostly 12 row. Superior in quality. Try this new hybrid; you will find a lot of good corn on every cob.

Pkt., 10c; ½ lb., 35c; lb., 60c; 5 lbs., \$2.75.

IONA HYBRID. 90 days. Productive and highly resistant to wilt. Plants tall with broad leaves, ears 7 to 8 inches long, light yellow kernels of excellent quality.

Pkt., 10c; ½ lb., 35c; lb., 60c; 5 lbs., \$2.75.

STOWELL'S EVERGREEN. 100 days. It is the standard main crop variety, bearing thick ears which average well over 8 inches in length, often reaching 9½ inches. It is one of the sweetest varieties known. The ears have 12 rows of deep kernels.

Pkt., 10c; ½ lb., 25c; lb., 40c; 5 lbs., \$1.75.

STOWELL'S EVERGREEN HYBRID. 90 days. Plants grow 8 to 10 feet high. Ears 8 to 9 inches, 14 to 18 rows of white, deep narrow kernels.

Pkt., 10c; ½ lb., 35c; 1 lb., 60c; 5 lbs., \$2.75.

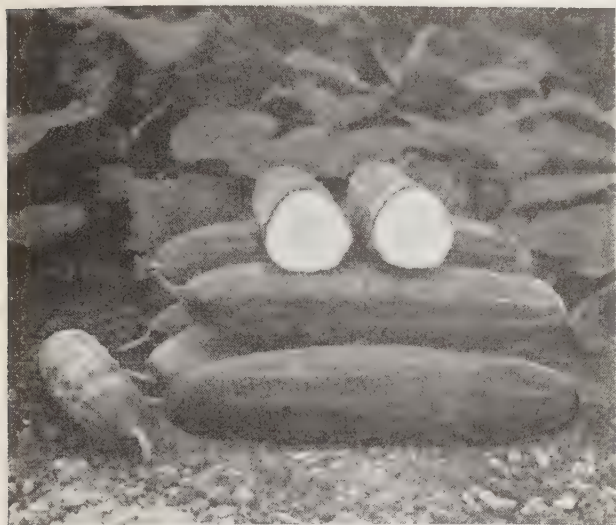
POP CORN

SOUTH AMERICAN. A 12 to 15-row variety with smooth bright yellow kernels, which pop large and tender.

Pkt., 10c; lb., 30c.

HULLESS. White seeded. Pops large white, tender.

Pkt., 10c; lb., 30c.



Davis Perfect

CUCUMBERS

One ounce will plant 50 hills; 2 pounds will plant an acre.

A. & C. OR COLORADO. An attractive and outstanding cucumber of excellent quality and ideal size (8 to 10 inches), most remarkable for holding its fine dark green color. It is a vigorous, high yielding variety.

Pkt., 10c; oz., 25c; ¼ lb., 75c; lb., \$2.50.

BLACK DIAMOND. Fruits rich dark green, retaining their color long after pickling. 7 to 8 inches long, 2¾ inches thick, slightly tapered, full at both ends.

Pkt., 10c; oz., 25c; ¼ lb., 75c; lb., \$2.50.

EARLY WHITE SPINE. This truly is the peerless Cucumber and for slicing it has no equal. Our select strain of this variety is unsurpassed.

Pkt., 10c; oz., 25c; ¼ lb., 75c; lb., \$2.50.

GHERKIN or BURR. An early maturing, very small, dark green Cucumber; an ideal bottle pickle.

Pkt., 10c; oz., 25c; ¼ lb., 75c.

JAPANESE CLIMBING. Here is a variety that won't take up so much space in your garden as it easily trails up poles or trellises.

Pkt., 10c; oz., 25c; ¼ lb., 75c.

LONDON LONG GREEN. The fruits are very long, often 12 to 15 inches when mature, yellow when ripe. It is a standard sort for slicing and is very largely used for pickles.

Pkt., 10c; oz., 25c; ¼ lb., 75c; lb., \$2.50.

DAVIS PERFECT. We consider this the finest all around Cucumber in existence. It is long and straight, color is deep green. Very productive.

Pkt., 10c; oz., 25c; ¼ lb., 75c; lb., \$2.50.

NATIONAL PICKLING. Is grown almost exclusively for pickling and is ideal for that purpose. It produces fruits of pickling size in 47 to 50 days and is the earliest of the varieties in common use.

Pkt., 10c; oz., 25c; ¼ lb., 75c; lb., \$2.50.

STRAIGHT EIGHT. This White Spine variety typifies its name, running quite straight, regularly 8 inches long and 2 inches in diameter. Color dark green, free from pale striping, and very productive.

Pkt., 10c; oz., 25c; ¼ lb., 75c; lb., \$2.50.

CRESS

CURLED or PEPPER GRASS. The leaves are frilled or curled, and are used for garnishing. The plant is of rapid growth, about one foot high.

Pkt., 10c; ½ oz., 20c; oz., 35c.

WATER CRESS. Seeds may be started readily in pans or boxes of very moist earth, and when the young plants are well started, they can be transplanted to the running stream.

Pkt., 10c.

DANDELION

One ounce will sow 100 feet of row.

IMPROVED. The large, broad, dark green leaves are used as "greens" for boiling or eaten like Endive.

Pkt., 10c; ½ oz., 55c.

EGG PLANT

An ounce of seed is enough for 1,000 plants.

Culture: Start the seed early March in hotbed or boxes and transplant to open ground when danger of frost has passed. The rows should be three feet apart and plants two feet in the row.

BLACK BEAUTY. Produces large, egg-shaped or bulbous fruit of fine color and quality. Has no spines, and is the earliest.

Pkt., 10c; ½ oz., 30c; oz., 55c; ¼ lb., \$1.85.

ENDIVE

One ounce of seed for 50 feet of row;
4 to 5 pounds per acre.

Culture: Sow seed in rows 14 to 20 inches apart, and when well established, thin to one plant per foot. When nearly full grown, blanch by tying the leaves together.

FULL HEART BATAVIAN. A distinctly improved form of Broad-Leaved Endive. Plant medium large with deep, full, well blanched heart of infolded broad leaves.

Pkt., 10c; oz., 20c; ¼ lb., 50c; lb., \$1.75.

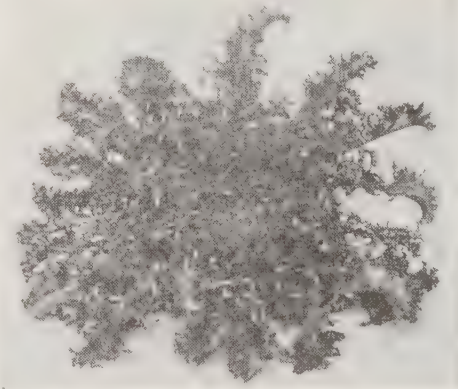
GREEN CURLED. (Pink Ribbed.) The leaves of this variety are finely divided, giving a mossy appearance. The center tends to blanch to a delicate white. The plant is hardy and vigorous and especially good for fall and winter use.

Pkt., 10c; oz., 20c; ¼ lb., 50c; lb., \$1.75.

FENNEL

FLORENCE. One of the finest Italian delicacies. It has an enlarged leaf base which should have soil drawn up around it when it is the size of a hen's egg. Used as a salad or boiled.

Pkt., 10c; ½ oz., 15c; oz., 25c; ¼ lb., 75c.



Endive Green Curled

HERBS

SWEET, MEDICINAL AND POT HERBS

The varieties marked in asterisk (*) are hardy perennials. To preserve herbs properly, cut the stems and leaves just as the plant is coming into bloom, dry them in the shade, and when perfectly dry, wrap them up in paper or store them away in a dry room, or rub the leaves to a powder, pack in jars.

ANISE. An annual herb cultivated principally for its seeds which are fragrant and have a pleasant taste. Pkt., 10c; 1/2 oz., 35c.

BASIL, SWEET. A hardy, aromatic annual. The seeds and stems have a strong flavor and are used in soups and sauces.

Pkt., 10c; 1/2 oz., 35c.

BORAGE. A hardy annual used as a pot herb and for bee pasturage.

Pkt., 10c; 1/2 oz., 25c; oz., 40c; 1/4 lb., \$1.35; lb., \$4.50.

CARAWAY. (Kummel). A well known herb, cultivated for its seeds. Pkt., 10c; 1/2 oz., 35c.

***CATNIP or CATMINT.** For seasoning.

Pkt., 10c; 1/4 oz., 35c.

***CHIVES.** A perennial herb; member of the onion family. The slender tubular leaves have a delicate onion flavor. The flowers are lavender blue. Pkt., 10c; 1/4 oz., 25c.

CORIANDER. A hardy annual cultivated for its seed which has an agreeable taste.

Pkt., 10c; 1/2 oz., 30c.

DILL, MAMMOTH. An annual of aromatic odor and pungent taste. Its seeds are used for seasoning; for making dill pickles. Plant branching, 2 to 3 feet high.

Pkt., 10c; oz., 15c; 1/4 lb., 50c; lb., \$1.50.

***HOREHOUND.** A perennial herb with bitter, pungent juices that are used in making cough syrup and candies. Pkt., 10c; 1/4 oz., 30c.

***LAVENDER (Lavandula).** Lavender gets its name from the Latin lavo, to wash; referring to the use of lavender in the bath. Lavender is also credited with stimulant and tonic properties. Pkt., 10c; 1/4 oz., 60c.

***MARJORAM, SWEET.** The young tender tops and leaves are used green in summer to flavor broths, dressing, etc., and are also dried for winter use. Pkt., 10c; 1/2 oz., 40c; oz., 75c.

***MINT (Spearmint).** The mint used in juleps.

Pkt., 10c.

***ROSEMARY.** The leaves are used for flavoring meats and soups, and for medicinal drinks.

Pkt., 10c; 1/4 oz., 30c.



Kohl-Rabi

Herbs—Continued

***SAGE.** Used for seasoning.

Pkt., 10c; 1/2 oz., 30c; oz., 50c.

SAVORY, SUMMER. The dried stems, leaves and flowers are used for seasoning.

Pkt., 10c; 1/4 oz., 30c.

***THYME.** A perennial herb, 8 to 10 inches high, used for seasoning. Pkt., 10c; 1/4 oz., 35c.



Kale

KALE

Sow four pounds to the acre; one ounce will sow 100 feet of drill.

Culture: Where climate permits, seed may be sown any time from February to October.

DWARF GERMAN GREENS. An improved selection of the ordinary Dwarf German Greens. A superior variety for market culture.

Pkt., 10c; oz., 20c; 1/4 lb., 55c; lb., \$1.75.

DWARF SIBERIAN (for fall). Largely grown for supplying "greens" during the fall and winter. The plants are hardy. The leaves are very large, deeply curled and fringed.

Pkt., 10c; oz., 20c; 1/4 lb., 55c; lb., \$1.75.

TALL SCOTCH. This variety makes beautiful plants, 2 feet or more in height. Leaves are finely curled and very tender.

Pkt., 10c; oz., 20c; 1/4 lb., 55c.

KOHL-RABI

One ounce will sow about 200 feet of drill.

Culture: Seed should be sown in light, rich soil as early in spring as possible in rows 1 1/2 feet apart and when well established thin to 6 inches apart in the row.

EARLY WHITE VIENNA. A standard sort for market and table use. Good for forcing. This variety has a very short top and forms the ball quickly, thus making it a particularly desirable sort. Pkt., 10c; oz., 30c; 1/4 lb., 90c.

EARLY PURPLE VIENNA. Differs from the Early White Vienna in color only.

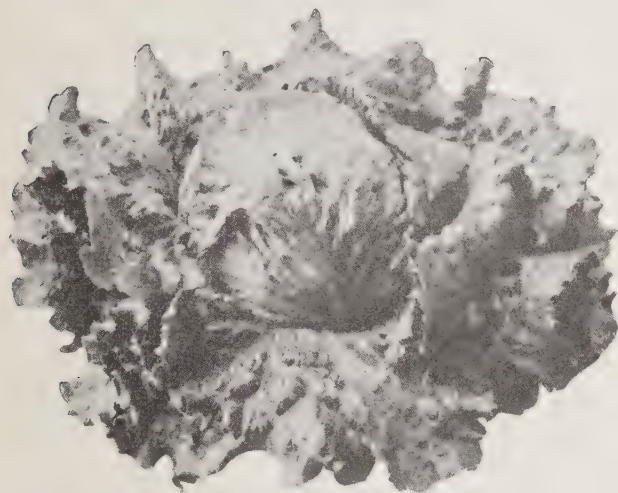
Pkt., 10c; oz., 30c; 1/4 lb., 90c.

LEEK

Culture: Sow early in spring in drills 12 to 15 inches apart, covering 1/4 inch deep. Thin plants to 6 inches apart in row.

LONDON FLAG. This well known broad-leaved leek is hardy, productive, of good quality.

Pkt., 10c; 1/2 oz., 25c; oz., 45c; 1/4 lb., \$1.45.



New York

LETTUCE

One ounce will produce 3,000 plants

EARLY CURLED VARIETIES

BLACK SEEDED SIMPSON. Easily grown, especially recommended for spring and early summer use. The leaves are large yellowish green, fringed and crumpled. The inner leaves are almost white.

Pkt., 10c; oz., 20c; ¼ lb., 55c; lb., \$1.75.

EARLY CURLED SIMPSON. The standard loose-headed variety. Earlier than the heading sorts.

Pkt., 10c; oz., 20c; ¼ lb., 55c; lb., \$1.75.

GRAND RAPIDS. Especially adapted for early family use. A loose-headed Lettuce of pleasing appearance and remarkable table merit.

Pkt., 10c; oz., 20c; ¼ lb., 55c; lb., \$1.75.

OAK LEAF. This variety excels in ability to withstand hot weather without getting bitter. Its leaves are small, tender and deep green.

Pkt., 10c; oz., 25c; ¼ lb., 90c; lb., \$3.25.

PRIZE HEAD. Forms a very large loose head, slightly tinged with brown.

Pkt., 10c; oz., 20c; ¼ lb., 55c; lb., \$1.75.

HEADING VARIETIES

BIBB. Rather small heads. Leaves smooth, dark green bleaching to rich yellow. Very tender.

Pkt., 10c; oz., 25c; ¼ lb., 90c; lb., \$3.00.

ICEBERG. A sure and hard-heading variety. Hearts are of a beautiful white color, crisp and tender.

Pkt., 10c; oz., 25c; ¼ lb., 95c; lb., \$3.25.

MAMMOTH BLACK SEEDED BUTTER. A fine variety for outdoor planting or for cold frames. It produces extra large heads, very compact.

Pkt., 10c; oz., 20c; ¼ lb., 55c; lb., \$1.75.

NEW YORK. This is a decidedly crisp, cabbage-heading variety. It is very large, rooting deeply, resisting hot, dry weather, slow to run to seed.

Pkt., 10c; oz., 25c; ¼ lb., 95c; lb., \$3.25.

Lettuce—Continued

IMPERIAL 44 or SUMMER. This excellent variety is noted for its extra large and firm heads, and thin leaves of the finest quality. May be sown all through the year and stands heat remarkably well.

Pkt., 10c; oz., 25c; ¼ lb., 95c; lb., \$3.25.

TRIANON COS. (Romaine). Head tall and thick, blunt at top. Leaves are dark green, crimped, broad-ribbed.

Pkt., 10c; oz., 20c; ¼ lb., 55c; lb., \$1.75.

BIG BOSTON. Especially valuable for summer and fall use out-of-doors. It is a butter-head type with glossy leaves tinged brown on the margins.

Pkt., 10c; oz., 20c; ¼ lb., 55c; lb., \$1.75.

MUSKMELONS

BANANA. The flesh is of a rich salmon. It grows from 20 to 28 inches in length and is very prolific.

Pkt., 10c; oz., 25c; ¼ lb., 75c; lb., \$2.50.

HALE'S BEST NO. 36. The earliest shipping melon of outstanding merit. Fruits oval, 7 inches long, 5½ inches in diameter, ribbing indistinct; covered with heavy netting. Flesh thick, color salmon orange. Fine flavored.

Pkt., 10c; oz., 25c; ¼ lb., 75c; lb., \$2.50.

TIP-TOP. Good for early or late; having a sweet, juicy, fine flavor, solid flesh. The fruit is of large size, nearly round, evenly ribbed.

Pkt., 10c; oz., 25c; ¼ lb., 75c; lb., \$2.50.

HEARTS OF GOLD. This is an orange fleshed variety of medium size, a desirable midseason sort. The vines are vigorous, blight resisting and very productive. The fruits are nearly round and medium size.

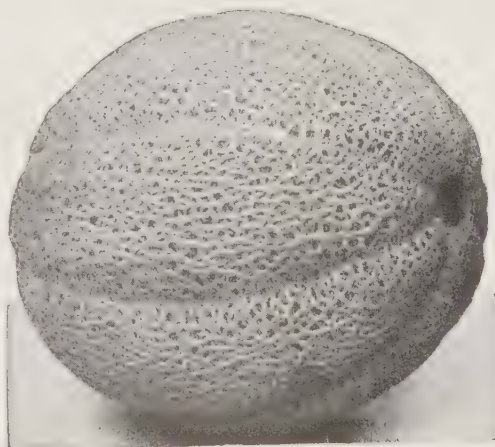
Pkt., 10c; oz., 25c; ¼ lb., 75c; lb., \$2.50.

ROCKY FORD PINK MEAT (Pollack No. 10-25). The fruits are uniform in size, with well developed gray netting. The rich salmon flesh is deep, very solid, of a luscious sweet flavor, ripens clear to the rind.

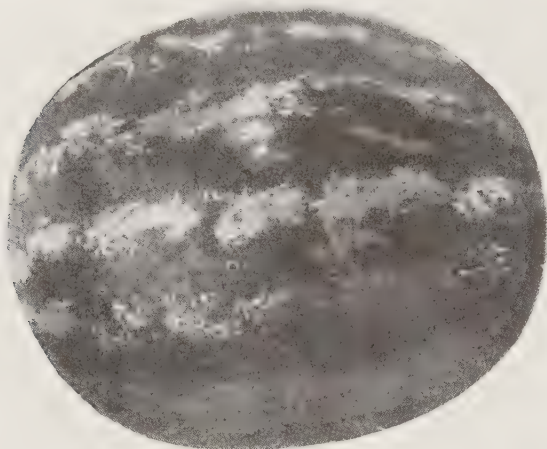
Pkt., 10c; oz., 25c; ¼ lb., 75c; lb., \$2.50.

HONEYDEW. The flesh of this variety is green, verging on creamy yellow, in color, thick and succulent, with a very small seed cavity.

Pkt., 10c; oz., 25c; ¼ lb., 75c; lb., \$2.50.



Hale's Best Melon



Early Kansas

WATERMELONS

The requirements for raising watermelons are practically the same as for muskmelons except that the vines are more spreading. Plant 8 ft. apart each way.

DIXIE QUEEN. Flesh bright red and very sweet, rind thin; outer skin light green striped with dark green.

Pkt., 10c; oz., 30c; ¼ lb., 85c; lb., \$2.75.

EARLY KANSAS. An exceptionally vigorous grower and heavy producer of unusually fine fruits. Oval in shape, medium size, thin rind, light green with dark irregular stripes. Flesh deep red.

Pkt., 10c; oz., 20c; ¼ lb., 65c; lb., \$2.00.

IMPROVED KLECKLEY SWEET. This is considered the sweetest of the large melons. Particularly adapted for home garden. Is oblong in shape, about 22 inches long and 12 inches in diameter. Rind dark green in color. The flesh is bright scarlet.

Pkt., 10c; oz., 15c; ¼ lb., 50c; lb., \$1.75.

STONE MOUNTAIN (or Dixie Belle.) Rich dark green in color with scarlet flesh that is exceptionally sweet. Very few seeds are found in this melon.

Pkt., 10c; oz., 20c; ¼ lb., 65c; lb., \$2.00.

TOM WATSON. The rind is dark blue-green; the flesh is deep red and very sweet.

Pkt., 10c; oz., 15c; ¼ lb., 50c; lb., \$1.75.

Watermelon seed for tea.

Per lb., 50c.

MUSHROOMS



Mushrooms may be grown in a cellar, cave, hotbed, or under benches in greenhouse, in fact most anywhere where conditions of temperature and moisture are favorable or can be controlled.

We can supply fresh, pure culture spawn in brick form. Weight about 20 ounces. A brick is sufficient to spawn ten square feet of bed.

Per brick, 30c; 5 bricks, \$1.25.

By mail add 5c per brick for postage.

MUSTARD

One ounce will sow 40 feet of drill.

Mustard runs to seed quickly, so that successive plantings are necessary for a continuous supply.

BLACK MUSTARD. The leaves are broad, smooth and often 12 inches long. Color deep green.

Pkt., 10c; oz., 15c; ¼ lb., 35c; lb., 90c.

FLORIDA BROAD LEAF. Upright plants. Leaves exceptionally large, slightly crumpled and thick. Thick white midrib. A quick growing variety.

Pkt., 10c; oz., 15c; ¼ lb., 35c; lb., 90c.

LONG STANDING CURLED. The leaves of this variety are closely curled and finely fringed. A little slower growing than the frilled varieties but longer standing.

Pkt., 10c; oz., 15c; ¼ lb., 35c; lb., 90c.

SOUTHERN GIANT CURLED. The leaves are large, light green with a tinge of yellow, and much crimped and frilled at the edges. The plant is upright or slightly spreading in growth.

Pkt., 10c; oz., 15c; ¼ lb., 35c; lb., 90c.

OKRA

Pods should be used when 1 to 3 inches long. Seed should not be planted until ground is warm. Sow in rows 2½ ft. apart, cover 1 inch, thin plants to 1½ ft. apart.

CLEMSON SPINELESS. A very uniform spineless strain of the Perkins long-podded type. Plant has less foliage than Perkins; pods rich green, straight, ridged. A valuable introduction for commercial or garden crops.

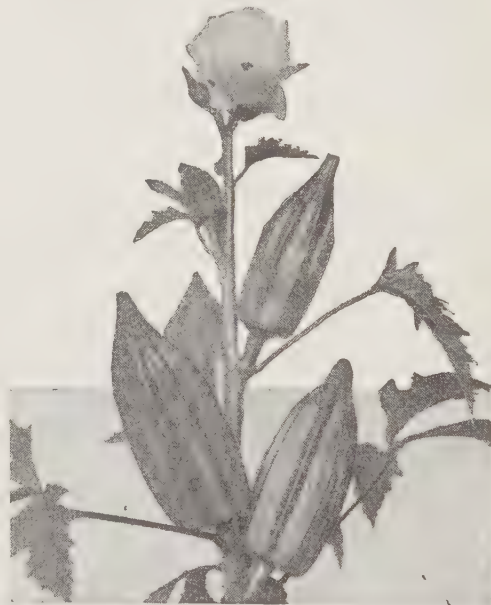
Pkt., 10c; oz., 15c; ¼ lb., 30c; lb., \$1.00.

DWARF GREEN. An extra early maturing variety. Very productive. Plants are more dwarf in habit of growth than those of other varieties. Pods short, deep green.

Pkt., 10c; oz., 15c; ¼ lb., 30c; lb., \$1.00.

WHITE VELVET. Height of stalk about 3½ feet, pods greenish white, unusually long, often 10 inches. Perfectly smooth.

Pkt., 10c; oz., 15c; ¼ lb., 30c; lb., \$1.00.



Dwarf Green Okra

ONIONS

An ounce will sow 100 feet of drill, four to five pounds to the acre for large onions.

Culture: As early in spring as ground can be worked, sow in rich soil, thoroughly pulverized, in rows 12 to 15 inches apart, covering $\frac{1}{8}$ -inch deep. When 2 or 3 inches tall, the young plants should be thinned to prevent crowding.

CRYSTAL WAX. An extremely mild onion of the white Bermuda type. Bulbs medium size, flat, flesh white.

Pkt., 10c; $\frac{1}{2}$ oz., 20c; oz., 35c; $\frac{1}{4}$ lb., \$1.15.

GIANT YELLOW PRIZE TAKER. A main crop onion of the largest size and nearly globular in form, sloping slightly at the shoulder and base. Skin is yellowish brown.

Pkt., 10c; $\frac{1}{2}$ oz., 30c; oz., 50c; $\frac{1}{4}$ lb., \$1.75.

LARGE RED GLOBE. This main crop onion produces medium to large sized perfect globe-shaped bulbs with small neck, smooth and glossy, and of deep purplish red color. One of the best keepers.

Pkt., 10c; $\frac{1}{2}$ oz., 25c; oz., 40c; $\frac{1}{4}$ lb., \$1.25.

LARGE WHITE GLOBE. It is sometimes called Southport White Globe. The variety yields abundantly, producing medium to large, fine shaped clear white bulbs.

Pkt., 10c; $\frac{1}{2}$ oz., 25c; oz., 45c; $\frac{1}{4}$ lb., \$1.45.

PHILADELPHIA SILVERSKIN. (For pickling.) This is a medium sized onion of mild flavor and with clear white skin. The variety is a favorite bunching onion, and for pickling.

Pkt., 10c; $\frac{1}{2}$ oz., 25c; oz., 45c; $\frac{1}{4}$ lb., \$1.45.

RIVERSIDE SWEET SPANISH. A very large globe-shaped, light yellow onion with small top.

Pkt., 10c; $\frac{1}{2}$ oz., 30c; oz., 50c; $\frac{1}{4}$ lb., \$1.75.

ONION SETS

Yellow, qt., 25c; Red, qt., 25c; White, qt., 25c

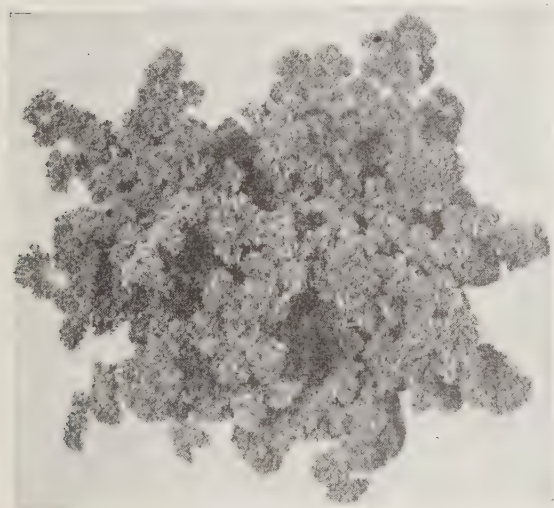
(By Parcel Post, add 5c a quart postage).

(Write for Price per Bushel.)

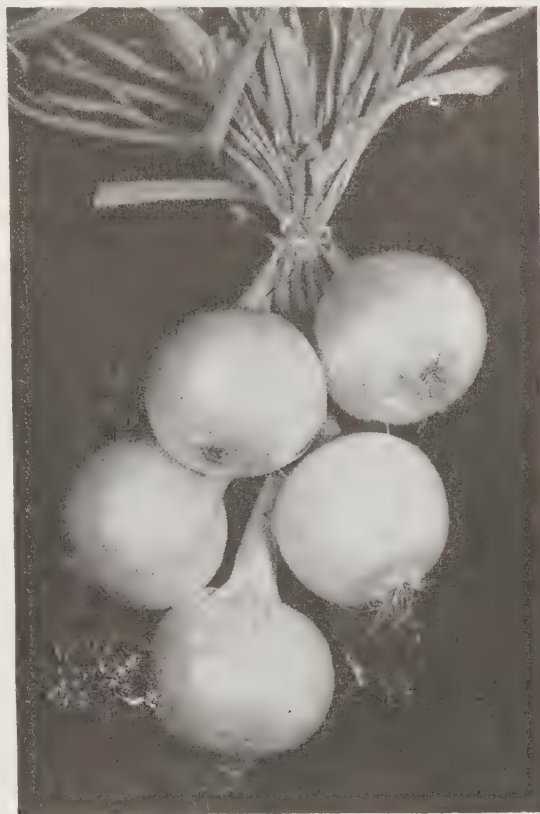
GARLIC SETS

Matures in about 110 days. Garlic is grown by planting the small bulbs in rows, 4 inches apart in the row. Cover the bulbs with one inch of soil. When the tops turn yellow, lift the bulbs and dry in the shade. To keep for the winter, hang in strings in a dry basement.

Lb., 50c.



Extra Triple Curled Parsley



Sweet Spanish Onion

PARSNIPS

Culture: As the seed is sometimes slow and uneven in germination, it should be sown as early as possible. Plant in rows $2\frac{1}{2}$ feet apart; cover $\frac{1}{4}$ inch deep. Parsnips are improved by freezing. May be left in the ground all winter and used in spring.

HOLLOW CROWN. This is the most popular and best variety in cultivation. The skin is smooth and the flesh tender.

Pkt., 10c; oz., 15c; $\frac{1}{4}$ lb., 40c; lb., \$1.25.

PARSLEY

Culture: Parsley succeeds best on rich, mellow soil. The seed is slow in germinating and should be sown as early as possible in the spring, in rows 1 to 2 feet apart, covering not more than $\frac{1}{8}$ inch with fine soil firmly pressed down. When the plants are well up thin 8 to 12 inches apart in the row.

EXTRA TRIPLE CURLED (Moss Curled). One of the most popular varieties owing to the fine deep green color and attractive foliage which resembles moss.

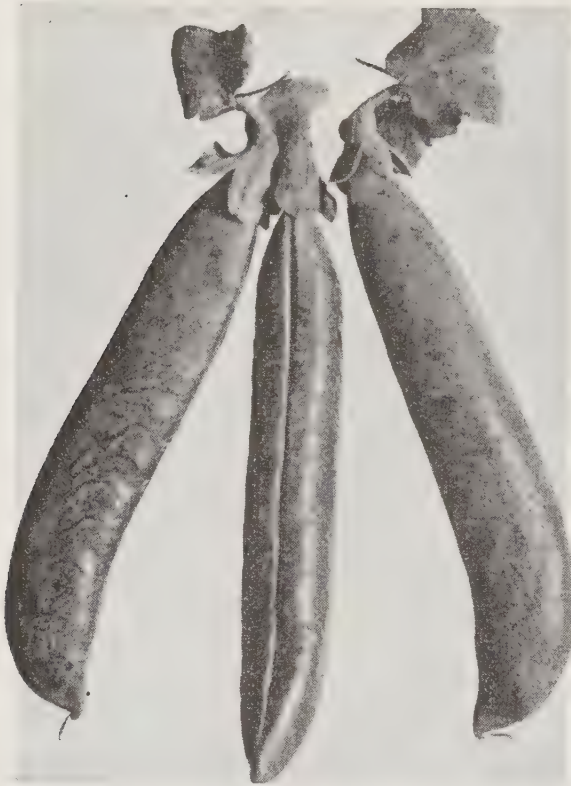
Pkt., 10c; oz., 20c; $\frac{1}{4}$ lb., 50c; lb., \$1.50.

PLAIN. The leaves are deeply cut, flat and dark green in color. They are used for flavoring.

Pkt., 10c; oz., 20c; $\frac{1}{4}$ lb., 50c; lb., \$1.50.

HAMBURG ROOTED. The root of this variety is edible and resembles a parsnip in shape. It is extensively used for flavoring soups and stews. The roots may be stored in sand for winter use.

Pkt., 10c; oz., 20c; $\frac{1}{4}$ lb., 50c; lb., \$1.50.



Laxtonian Peas

GARDEN PEAS

Culture: Sow in early spring, in rows 2 to 3 feet apart, drilling the seed 1 to 2 inches deep. The taller varieties may be sown in double rows 12 inches apart and supported with brush. One pound is enough for 100 feet of row; 2 bushels per acre. A bushel of smooth peas weighs 60 pounds; wrinkled peas, 56 pounds.

ALASKA. 56 days. Pods slightly more than 2½ inches long, straight, blunt and of pale green color. A very popular pea among canners. Vine about 30 inches high.
Pkt., 10c; ½ lb., 20c; 1 lb., 35c; 5 lbs., \$1.50.

AMERICAN WONDER. 60 days. The old popular favorite among all who grow peas. The small dwarf bushes are heavily laden with peas of the finest quality.
Pkt., 10c; ½ lb., 25c; 1 lb., 40c; 5 lbs., \$1.75.

LAXTONIAN. 58 days. Dwarf large-podded peas. The blue-green pods are often more than 4 inches long and contain 8 dark green peas of finest quality. The seeds are large, wrinkled, green and cream in color.
Pkt., 10c; ½ lb., 25c; 1 lb., 40c; 5 lbs., \$1.75.

LITTLE MARVEL. 58 days. As a main crop this is the most desirable dwarf variety. The dark green vines, 18 to 20 inches tall, grow vigorously and are laden with pods 3 inches long. Seeds are wrinkled, and green in color.
Pkt., 10c; ½ lb., 25c; 1 lb., 40c; 5 lbs., \$1.75.

MAMMOTH POD EXTRA EARLY. 60 days. This is without question the best extra early pea for market gardeners. The seed being smooth, it can be planted as early as any of the extra earlies. It is very prolific; pods of a rich dark green color. Height, 3 feet.
Pkt., 10c; ½ lb., 25c; 1 lb., 40c; 5 lbs., \$1.75.

EDIBLE PODDED SORTS

MELTING SUGAR. 70 days. Excellent when cooked like string beans. The vines are very tall, reaching a height of 5 and 6 feet. The pods are over 4 inches long.
Pkt., 10c; ½ lb., 25c; 1 lb., 40c.

DWARF GRAY SUGAR. 60 to 65 days. Vines about 2 feet high.
Pkt., 10c; ½ lb., 25c; 1 lb., 40c.

BLACK-EYE. Plants grow about 36 inches tall and are very prolific. Pods long and easily shelled. May be used green or as dried shelled peas. Lb., 40c.

CROWDER. (Brown). An early edible podded variety used for green or for dried peas. Plants dark green, branching, about 30 inches high. Pods round, plump, filled with peas that are crowded tightly together. Lb., 50c.

LADY. Pod oval, medium green, straight, closely filled with light green tender peas. Seed small, smooth, cream colored. Lb., 60c.

PEANUTS

Culture: Peanuts can be grown in any part of the country that will grow corn or cotton. A light soil is best. Sow in May or June, spacing the seed 8 to 10 inches and the rows 2½ to 3 feet. Do not cultivate after the vines have begun to spread.

IMPROVED LARGE JUMBO. Pods usually contain 2 large peanuts.
1 lb., 40c; 5 lbs., \$1.75.

SPANISH PEANUTS. The pods are small, well filled and of fine quality.
1 lb., 40c; 5 lbs., \$1.75.

SEED POTATOES

Prices are subject to change on potatoes.
Shipping charges to be paid by purchaser.

BLISS RED TRIUMPH. Color, a beautiful light red. Size, medium. Growth very uniform. Shape, nearly round.

EARLY OHIO. (Red River). Among the standard early varieties it undoubtedly stands at the head of the list. An excellent keeper for such an early variety.

GREEN MOUNTAIN. A dependable medium late potato. Good winter keeper. Seems to thrive well in most soils.

IRISH COBBLER. This has become one of the general favorites in all localities for early as well as late planting.

KATTHDIN (Late). Its growth is vigorous. Tubers are rounded with cream colored skin and very shallow eyes. Good keeper.
Write for Prices.

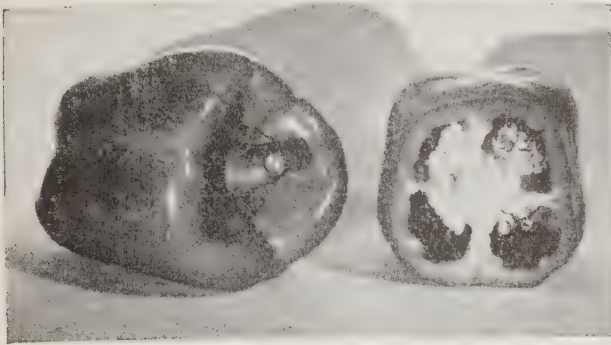
Culture: Any good, well drained, fibrous loam will produce potatoes under right climatic conditions. For early potatoes the soil should be particularly rich.

In the home garden potatoes are planted about 28 inches apart between the rows, 14 inches in the rows. It takes 5 to 8 lbs. (depending on their size and frequency of eyes) to plant 100 feet of row.

BARSPROUT

Amazing new chemical aid for keeping potatoes stored under normal temperatures without sprouting.

12 oz., enough for 8¼ bu., \$1.00; 5 lbs., enough for 55 bu., \$5.50.



California Wonder

PEPPERS

Culture: Sow seed in hotbed in March. After danger of frost is past, transplant into open ground, in rows two to three feet apart and 18 inches apart in the rows. An ounce will produce about 1500 plants.

CALIFORNIA WONDER. An outstanding medium late variety. Fruit is four-lobed, chunky, very attractive and smooth. Flesh thick, mild and sweet.

Pkt., 10c; ½ oz., 35c; oz., 60c; ¼ lb., \$1.90.

CHINESE GIANT. For size, this variety produces prize fruits. They are often 6 inches across and 4½ to 5 inches deep. The flesh is moderately thick and very mild.

Pkt., 10c; ½ oz., 35c; oz., 60c; ¼ lb., \$1.90.

GOLDEN QUEEN. Mild and sweet. Golden yellow, thick flesh. Three inches across and 4 to 5 inches long. The most productive large yellow pepper.

Pkt., 10c; ½ oz., 40c; oz., 75c.

HUNGARIAN YELLOW WAX. This large fruited, early hot pepper is highly esteemed for canning. The plants produce a fine crop of fruits 6 to 7 inches long and 2 inches in diameter. They are waxy light yellow at first but change to orange and then to bright red when fully ripe.

Pkt., 10c; ½ oz., 30c; 1 oz., 50c; ¼ lb., \$1.75.

PIMIENTO. The shape is distinctly conical, medium size. Color, when young, a glossy green turning ruby red when ripe.

Pkt., 10c; ½ oz., 30c; 1 oz., 50c; ¼ lb., \$1.75.

BELL or BULL NOSE. An early sweet pepper. Large, bright red, thick flesh.

Pkt., 10c; ½ oz., 30c; 1 oz., 50c; ¼ lb., \$1.75.

SMALL FRUITED VARIETIES

LONG RED CAYENNE. The fruit is 4 inches long and 1 inch thick, twisted and pointed. The flesh is strong and pungent. Recommended for drying.

Pkt., 10c; ½ oz., 30c; 1 oz., 50c; ¼ lb., \$1.50.

RED CHILI. Bright red when ripe and are very hot and pungent. They are used in making pepper sauce.

Pkt., 10c; ½ oz., 30c; 1 oz., 50c.

HORSERADISH ROOTS

The soil should be very rich and well cultivated.

12 for 25c; 3 doz. for 70c; 100 for \$1.75.
(By parcel post, add 10c per 100 postage.)

PUMPKINS

One ounce will plant about 25 hills; 4 pounds will plant an acre.

Culture: After danger of frost is over plant the seed in hills 8 to 10 feet apart each way. If planted with corn two or three seeds 15 feet apart each way will be sufficient.

KENTUCKY FIELD or CHEESE. Standard large pumpkin for canning and for stock feed. Fruits very large, flattened; furrowed, skin creamy buff, flesh extremely thick, deep salmon-yellow, and of good quality.

Pkt., 10c; oz., 15c; ¼ lb., 40c; 1 lb., \$1.25.

MAMMOTH KING or POTIRON. The best large pumpkin. Forms immense globular shape, flattened a little at the end. Skin reddish yellow in color and flesh rich orange.

Pkt., 10c; oz., 20c; ¼ lb., 65c; 1 lb., \$2.00.

SMALL SUGAR. This variety is small, but of most excellent quality for pies. The fruits are deep orange, round or somewhat flattened and slightly ribbed.

Pkt., 10c; oz., 20c; ¼ lb., 50c; 1 lb., \$1.50.

STRIPED CUSHAW. Crook necked white rind mottled with green. Weight about 10 lbs. each. Very prolific. Flesh thick, cream colored, excellent quality.

Pkt., 10c; oz., 20c; ¼ lb., 55c; lb., \$1.75.

RHUBARB

(PIE PLANT)

One ounce will sow 125 feet of row

Rhubarb, also known as Pie Plant, is the earliest spring vegetable and is known for its leaf stalks which are extensively used for pies and sauce.

Culture: Rhubarb succeeds best in deep, somewhat retentive soil and the richer this is and the deeper it is stirred the better. Sow in drills an inch deep and thin out the plants to 6 inches apart. In the fall transplant, setting them 3 feet apart each way and give a dressing of coarse manure every spring. Stalks should not be plucked until the second year. When a blossom appears it should be cut back well into the ground and the plant never allowed to exhaust itself by running to seed.

MYATT'S VICTORIA. A splendid early sort. Stalks are large, very thick, of rich red color, and almost stringless.

Pkt., 10c; oz., 25c; ¼ lb., 75c; 1 lb., \$2.50.

RHUBARB ROOTS

Strong roots, 2 years old, which, if planted in good soil early in the spring, will make a strong growth and yield stalks the following spring.

McDONALD. Brilliant crimson, very tender stalks of extra large size.

Ea., 65c; per doz., \$6.50.

VICTORIA only; Ea., 25c; per doz. \$2.50.

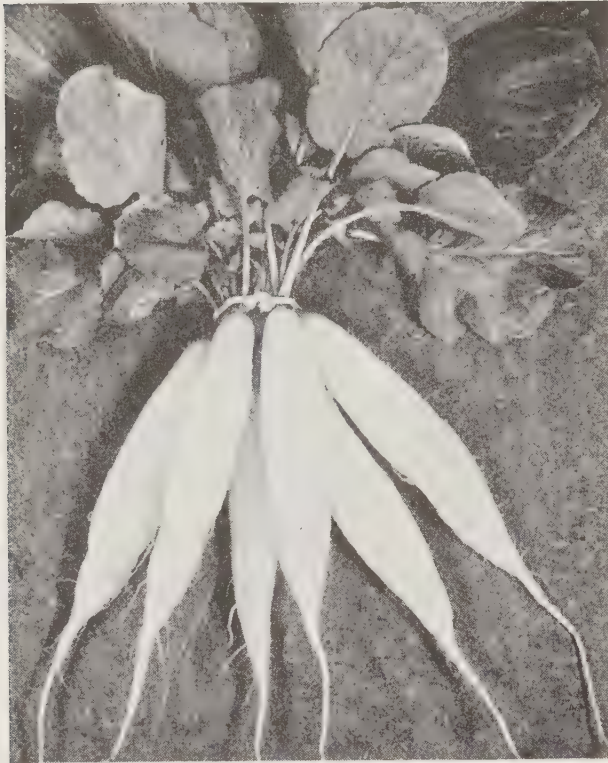
By parcel post add postage, Ea., 5c; per doz. 25c.

KEEP THE VEGETABLE GARDEN
GOING WITH THE PROPER
FERTILIZER

See Page 49



Horse Radish Root



Iceicle

RADISHES

One ounce will sow 100 feet of row; 8 pounds will sow an acre in drills; 12 pounds broadcast.

FIRE BALL. It is a "Fire Ball" both in growth and appearance and matures in 21 days from the time of germination.

Pkt., 10c; oz., 15c; ¼ lb., 40c; lb., \$1.25.

PHILADELPHIA WHITE BOX. The best of the white globe-shaped radishes.

Pkt., 10c; oz., 15c; ¼ lb., 40c; lb., \$1.25.

SCARLET TURNIP WHITE TIPPED or SPARKLER. Something extra fine. Small in leaf, early. Flat to globular, with an unusual amount of white on the bottom which often extends one-third to one-half up the bulb, the lower half being white, the upper half bright scarlet; consequently, the contrast in color being very showy either on the table or market stand.

Pkt., 10c; oz., 15c; ¼ lb., 40c; lb., \$1.25; 5 lbs., \$5.00.

CRIMSON GIANT. It is round, bright crimson, attaining a maximum size before becoming pithy, of one and three-quarter inches long by one and one-quarter inches in diameter.

Pkt., 10c; oz., 15c; ¼ lb., 40c; lb., \$1.25.

SCARLET GLOBE. (Selected Stock). The interior of the root is pure white, mild, crisp and fine grained. Recommended for the market garden or for greenhouse forcing.

Pkt., 10c; oz., 15c; ¼ lb., 40c; lb., \$1.25; 5 lbs., \$5.00.

ICICLE. A magnificent white variety. Grows 3½ to 4 inches longer. Crisp and mild.

Pkt., 10c; oz., 15c; ¼ lb., 40c; lb., \$1.25.

LONG SCARLET SHORT TOP. This is a well known sort with long, bright scarlet roots 6 or 7 inches long, with small top.

Pkt., 10c; oz., 15c; ¼ lb., 40c; lb., \$1.25.

WINTER RADISHES

Culture: Generally sown around July 1st, the same as turnips. The Chinese type develops more rapidly, while the Spanish sorts require about 3 months to reach full size.

LONG BLACK SPANISH. 8 to 9 inches long, and 2½ to 3 inches thick at the top, black skin with white flesh.

Pkt., 10c; oz., 15c; ¼ lb., 40c; lb., \$1.25.

ROSE COLORED CHINA. Root long, of a fine scarlet color. Extremely solid and a most excellent keeping variety.

Pkt., 10c; oz., 15c; ¼ lb., 40c; lb., \$1.25.

ROUND BLACK SPANISH. Good specimens are almost round and measure 3 to 4 inches through. Skin black, flesh white. A fine keeper.

Pkt., 10c; oz., 15c; ¼ lb., 40c; lb., \$1.25.

WHITE SPANISH. Very solid and tender. The best white radish for late fall planting.

Pkt., 10c; oz., 15c; ¼ lb., 40c; lb., \$1.25.

SALSIFY or OYSTER PLANT

One ounce will sow 50 feet of drill.

MAMMOTH SANDWICH ISLAND. The best variety. Grows to a large size and is very mild and delicately flavored.

Pkt., 10c; ½ oz., 25c; oz., 45c; ¼ lb., \$1.45; lb., \$4.50.

SPINACH

Culture: Sow early in spring in rows 1 foot apart, cover seed ½ inch. Planting may be continued until May 15th. Sowing may be made again in September.

BLOOMSDALE LONG STANDING. It resembles the old Savoy, but is more compact in growth and a darker green color. Grows a little slower than Reselected Savoy, but will stay in condition for cutting two weeks longer.

Pkt., 10c; oz., 15c; ¼ lb., 30c; lb., 75c; 5 lbs., \$3.00.

BLOOMSDALE SAVOY-LEAVED RESELECTED. (Dark green.) A distinct improvement over the old standard Bloomsdale Savoy, in that it is very early and of better color, blistered and free from pointed leaves. This variety is also used very largely for fall sowing.

Pkt., 10c; oz., 15c; ¼ lb., 30c; lb., 75c; 5 lbs., \$3.00.

NEW ZEALAND. This variety endures heat and drouth; excellent for summer; leaves small and thick. A heavy yielder, growing upright. One sowing can be picked from throughout the entire summer. Germination will be improved by soaking seed in water for 12 hours.

Pkt., 10c; oz., 15c; ¼ lb., 40c; lb., \$1.25.

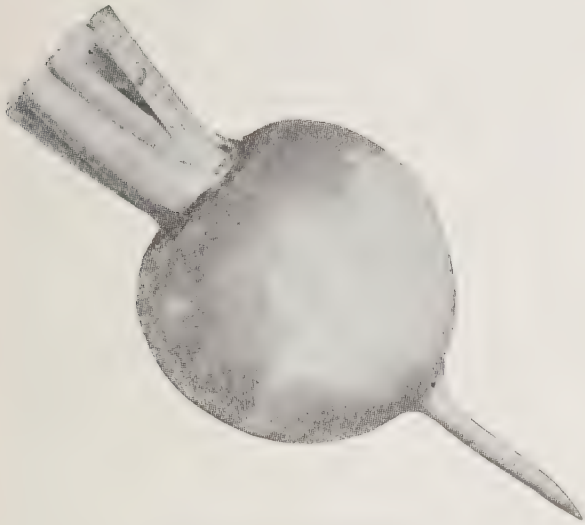
SORREL

NARROW LEAVED. The best garden variety, having large, pale green leaves of fine quality.

Pkt., 10c; ½ oz., 35c; oz., 65c; ¼ lb., \$2.00.

FERTILIZER IS THE PLANT'S FOOD

To obtain successful growth of plants, the soil must contain plant food of the proper kind in available form and in proper amounts. The three principal elements needed are nitrogen, phosphorus and potash.



Purple Top White Globe

SQUASH

One ounce will plant 20 hills; 2 to 3 lbs. an acre.

Culture: As Squash plants are very tender and sensitive to cold, plantings must not be made until settled warm weather, about May 5th. Summer varieties should be planted in hills 4 to 6 feet apart each way, winter varieties 8 to 10 feet apart each way.

COCOZELLE. This bush variety, sometimes called "Italian Vegetable Marrow," produces oblong squashes often a foot in length, handsomely mottled, dark and light green.
Pkt., 10c; oz., 15c; ¼ lb., 50c; lb., \$1.60.

CUCUZZI CARAVAZZI. Fruits light green, 2 to 3 feet long, 3 inches in diameter. Also called Italian bean.
Pkt., 10c; oz., 25c; ¼ lb., 75c; lb., \$2.50.

HUBBARD. The most extensively grown winter squash. The 12 or 14 pound fruits are very dark green and somewhat warted. Keeps perfectly all winter.
Pkt., 10c; oz., 20c; ¼ lb., 65c; lb., \$2.00.

MAMMOTH WHITE SCALLOP BUSH. The plant is strictly bush in habit and bears creamy white patty-shaped fruits which are symmetrically scalloped. The flesh is milk-white.
Pkt., 10c; oz., 20c; ¼ lb., 55c; lb., \$1.75.

TABLE QUEEN. Because of convenience for baking and serving in halves this little squash has gained great popularity. It weighs only about 1½ pounds and is acorn-shaped, deeply furrowed, and dark green on the outside. The flesh is rich yellow.
Pkt., 10c; oz., 20c; ¼ lb., 55c; lb., \$1.75.

YELLOW SUMMER CROOKNECK. Valuable for early crop. The best and richest summer bush squash; skin bright yellow and warty.
Pkt., 10c; oz., 15c; ¼ lb., 50c; lb., \$1.60.

ZUCCHINI (Black Italian Marrow). Blocky type. 12 to 14 inches long, diameter 4 inches, skin very dark green.
Pkt., 10c; oz., 20c; ¼ lb., 55c; lb., \$1.75.

SWISS CHARD. See page 33.

STRAWBERRY SEEDS

HARZLAND GIANT. Pkt., 25c.

STRAWBERRY PLANTS. See page 47.

TAMPALA

BURPEE'S. It is a delicious green vegetable. The leaves are prepared and served like spinach. It does well in hot weather, producing all summer.

Pkt., 10c; ⅓ oz., 35c.

TOBACCO

Culture: The seed should be sown as early as possible after danger of frost is over. When the plants are about 6 inches high, transplant into rows 4 by 4 feet apart each way. Cultivate thoroughly.

MISSOURI BROAD LEAF. Very productive.

Pkt., 10c; ½ oz., 25c; oz., 45c.

WHITE BURLEY. The main crop variety.

Pkt., 10c; ½ oz., 25c; oz., 45c.

HAVANA. The leading smoking variety.

Pkt., 10c; ½ oz., 25c; oz., 45c.

TURNIPS

One ounce will sow 200 feet of drill; one to two pounds for an acre.

Culture: For early seeding sow flat varieties in open ground in early spring in drills one foot apart, using seed sparingly. Thin to 6 or 8 inches apart. For fall and winter sow in July and August.

EXTRA EARLY PURPLE TOP MILAN. Tops small. Roots flat. Purplish-red above, white below.

Pkt., 10c; oz., 15c; ¼ lb., 40c; lb., \$1.25.

PURPLE TOP WHITE GLOBE. Roots globular, smooth; bright purplish-red above, white below. Flesh white, firm, fine grained and tender.

Pkt., 10c; oz., 15c; ¼ lb., 35c; lb., \$1.00; 5 lbs., \$4.50.

SEVEN TOP, FOR TURNIP GREENS. A foliage turnip for table and forage use. Crown sends up numerous leafy shoots which are excellent for greens.

Pkt., 10c; oz., 15c; ¼ lb., 25c; lb., 60c.

SHOGON or JAPANESE. An extremely useful sort. It is quick growing and supplies large edible strap leaves as well as smooth, globular roots of superior quality.

Pkt., 10c; oz., 15c; ¼ lb., 30c; lb., 90c.

RUTABAGAS

AMERICAN PURPLE TOP. A hardy productive variety; roots are large, globular in form, with a very small tap root; color, bright yellow with a purple top; flesh yellow.

Pkt., 10c; oz., 15c; ¼ lb., 40c; lb., \$1.25.



Table Queen Squash



Marvelous

TOMATOES

One ounce will produce about 1,000 plants.

Culture: The tomato flourishes best in warm, light soil, moderately rich. For early use sow $\frac{1}{8}$ of an inch deep in February or March in a hotbed, or if only a few plants are wanted, they may be sown in a window box. In order to get the plants strong and stocky, they should be transplanted when 2 or 3 inches high, and a second transplanting later on will add greatly to their stockiness. When all danger of frost has passed, set out in the open ground in rows 3 feet apart and 2 feet between the plants.

BEEFSTEAK. Very large delicious meaty variety with few seeds, smooth uniform fruits are crimson red.

Pkt., 10c; $\frac{1}{2}$ oz., 30c; oz., 55c; $\frac{1}{4}$ lb., \$1.85.

BONNY BEST. 68 days. Scarlet red, slightly flattened, globe shaped fruits, borne on medium sized vigorous plants.

Pkt., 10c; $\frac{1}{2}$ oz., 30c; oz., 55c; $\frac{1}{4}$ lb., \$1.85.

BREAK O'DAY. 95 days. Wilt resistant. Vines vigorous and very productive. An early scarlet fruited variety. Medium to large size and globe-shaped.

Pkt., 10c; $\frac{1}{2}$ oz., 40c; oz., 75c; $\frac{1}{4}$ lb., \$2.25.

GOLDEN PONDEROSA. Growth, size and shape similar to regular Ponderosa (yellow fruit).

Pkt., 10c; $\frac{1}{2}$ oz., 40c; oz., 75c.

JUBILEE. 72 days. Fruits are bright golden orange, thick flesh with few seeds. Attractive when sliced.

Pkt., 10c; $\frac{1}{2}$ oz., 55c; oz., \$1.00.

LIVINGSTON GLOBE. 110 days. A large purplish pink, globe-shaped or very nearly round tomato of excellent quality.

Pkt., 10c; $\frac{1}{2}$ oz., 40c; oz., 75c; $\frac{1}{4}$ lb., \$2.25.

MARGLOBE. Resists rust and wilt. Almost round; of large size, and bright red color. It is one of the most productive tomatoes in cultivation. Marglobe is early and continues bearing over a long period of time. It possesses a delicious flavor, it is attractive and wilt resistant.

Pkt., 10c; $\frac{1}{2}$ oz., 25c; oz., 40c; $\frac{1}{4}$ lb., \$1.25.

TOMATOES—Continued

MARVELOUS (Marhio). 110 days. A fine new pink, main crop variety; being the same size and shape as Red Marglobe and having its wilt-resistant qualities.

Pkt., 10c; $\frac{1}{2}$ oz., 50c; oz., 90c; $\frac{1}{4}$ lb., \$2.75.

OXHEART. 115 days. A late large fruited variety of distinct appearance and perfect quality. Heart-shaped, rosy pink, and very solid fleshed, with few seeds. Mildly acid and of pleasing flavor.

Pkt., 10c; $\frac{1}{2}$ oz., 60c; oz., \$1.00.

PONDEROSA. (Also known as Beefsteak). 100 days. One of the best for home use. Fruits deep purplish pink; extremely large, commonly 9 to 12 ounces each; deep but flat; very fleshy with few seeds.

Pkt., 10c; $\frac{1}{2}$ oz., 50c; oz., 90c.

RUTGERS. Developed by the New Jersey Agricultural Experiment Station produces a sturdy plant with a thick stem and an abundance of foliage to protect the fruits from sunscald. The fruits are large and similar in shape to Marglobe but ripen earlier and are of a bright scarlet color. The flesh is firm and red throughout which makes it an ideal canning and juice tomato.

Pkt., 10c; $\frac{1}{2}$ oz., 30c; oz., 50c; $\frac{1}{4}$ lb., \$1.50.

NEW STONE. 110 days. The fruits are bright deep scarlet, exceptionally smooth and uniform in size.

Pkt., 10c; $\frac{1}{2}$ oz., 30c; oz., 50c; $\frac{1}{4}$ lb., \$1.50.

PICKLING OR PRESERVING VARIETIES

RED CHERRY. Used for preserving and pickling. Fruit small, round, and deep red.

YELLOW PLUM. Fruits plum-shaped, clear yellow color.

YELLOW PEAR. Pear-shaped fruits of deep, clear yellow color.

All Pickling or Preserving varieties,
Pkt., 10c; $\frac{1}{2}$ oz., 50c; oz., 90c.



Rutger's

Strawberry Plants and Seeds

Strawberry plants are not in stock, but are sent direct to you from the nursery, ready April, May and October.

SPRING-BEARING VARIETIES

FAIRFAX. (S). The Fairfax is a deep red, sweet, early berry. The plants are very vigorous; bears heavily throughout a long season.

BIG JOE. (S). An excellent mid-season berry. Large and very fine quality flesh, color, brilliant red with large green cap to make it very showy. Plants are large and productive.

CATSKILL. (S). Midseason. A heavy producer of large berries. Good quality, firm, attractive.

GANDY. (S). A fancy late berry, large handsome and productive. The plants are large and make runners freely. Needs liberal fertilization.

CHESAPEAKE. (S). Late. Large firm beautiful berries. Color bright deep red. We find this a rather shy plant maker and can be planted closer than most varieties.

RED STAR. (S). Late. The berries average large, very glossy, bright red, firm. It produces runners and plants freely. Foliage large, flower stems short so the foliage protects the flowers against frosts.

ABOVE VARIETIES—Price: 25 for \$1.30; 50 for \$2.35; 100 for \$3.50; 500 for \$10.75.

EVERBEARING STRAWBERRIES

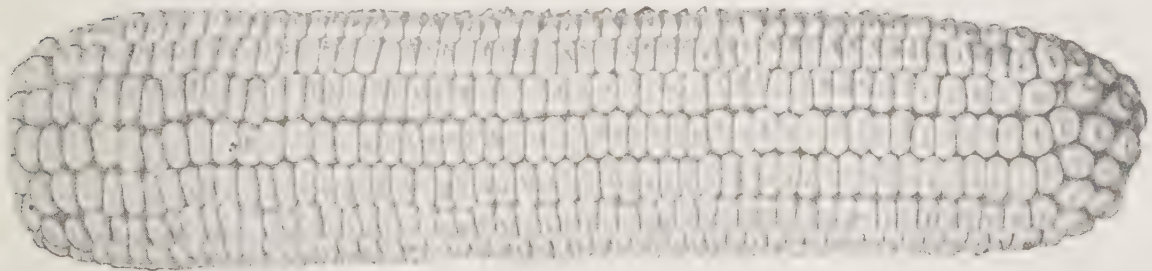
GEM. Produces extremely large berries throughout the Summer and Fall. Keep watered and cultivated during hot, dry weather.

MASTODON. The Mastodon is a fall-bearing variety. This variety should give excellent results especially where water can be applied during dry weather.

Price: 25 for \$2.35; 50 for \$3.90; 100 for \$6.25.

STRAWBERRY SEED HARZLAND GIANT. Pkt., 25c.

Selected Seed Corn



Funk Nationwide Research has developed these great G-Hybrids especially to make the best performance under the soil, climatic, moisture, maturity, insect and disease conditions found in your neighborhood. These hybrids have proved themselves in test plots and on thousands of farms. They make top yields of quality corn on strong stalks. Depend on your dealer's advice in choosing the correct Funk's G-Hybrids for your farm.

G-29. An early hybrid which will crop under a very wide range of soils and seasons. Popular in the central Corn Belt. Yields compare with full season hybrids. Funk G-29 stands well and harvests easily.

G-53. Here's a good bottom-land early hybrid for eastern Missouri and southwestern Illinois. Produces a single ear of fine quality, with deep, well-dented kernels that are fine for feeding. Its medium short stalk resists corn borers and chinch bugs.

G-80. The pace-setter in south central Illinois and eastern Missouri; medium to full season in this area. Stands well, resists drouth and insects, yields heavily; large, deep-dented kernels.

G-94. Of medium maturity in southwestern and southern Illinois and eastern Missouri. Top yields under widely different climate and soil conditions. Stands well, husks clean. Highly resistant to corn borers and chinch bugs.

Above varieties: Bu., \$11.90.

EMBRO HYBRID SEED CORN

U. S. 35 Yellow (7 to 10 days earlier than U. S. 13)
Lb., 25c.

U. S. 13 Yellow (bottom-land)
Lb., 25c.

Missouri 8 Yellow (upland)
Lb., 25c.

Larger Quantity Write for Prices.

OPEN POLLINATED SEED CORN

90 day White.
Lb., 15c; 5 lbs., 65c.

90 day Yellow.
Lb., 15c; 5 lbs., 65c.

Reid's Yellow Dent (100 day).
Lb., 15c; 5 lbs., 65c.

St. Charles White (110 day).
Lb., 15c; 5 lbs., 65c.

Hickory King White (late).
Lb., 15c; 5 lbs., 70c.
Larger Quantity Write for Prices.



Recleaned Farm Seeds

Bags extra at cost. Seamless, 50c each.

All Prices on Field Seeds are Subject to Market Changes. All Orders Filled to the Amount of Remittance at Market Prices When Orders are Received.



ALFALFA.

Kansas	lb.,	50c
Approved Oklahoma	lb.,	50c
Argentine	lb.,	30c
Grimm (Minn.)	lb.,	60c

SWEET CLOVER

Standard (mostly White) Scarified.....	lb.,	30c
Yellow Blossom, Scarified.....	lb.,	30c
Hubam Annual	lb.,	30c

RED CLOVER

Fancy, Recleaned	lb.,	75c
Mammoth Sapling	lb.,	75c

ALSIKE OR SWEDISH

Fancy Recleaned	lb.,	60c
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LESPEDEZA

Korean	lb.,	20c
Sericea, Scarified	lb.,	40c

LADINO CLOVER

Taller, more luxuriant growth than ordinary White Dutch, therefore more suitable for hay or pasture. Dense growing habit, recovers rapidly after grazing. Grows wherever White Dutch thrives. May be seeded Spring or Fall but Spring seeding preferable. One to 2 lbs. per acre sufficient except where thick stand expected first year. Cover seed not over 1/4 inch.

Lb., \$2.50.

WHITE CLOVER

White or Dutch	lb.,	\$1.00
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CRIMSON CLOVER

Fancy Recleaned	lb.,	40c
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Grasses

ALTA FESCUE

A new grass being used in Missouri and neighboring States. Adapted to wide range of soil, climatic conditions. Its heavy-rooting habit makes it valuable for erosion control. May be seeded Spring or Fall, same manner as Timothy. Sow 12-15 lbs. per acre for meadow or pasture.

Lb., 65c.

MEADOW FESCUE

This grass is also called English Blue Grass; flat and bright green.

Lb., 40c.

BROME GRASS

(Native Kan.-Idaho)

Brome-Alfalfa mixture better than straight Brome, at rate of 12 lbs. Brome and 4 lbs. Alfalfa per acre. Alfalfa furnishes nitrogen, keeps Brome from becoming "sod-bound."

Lb., 35c.

RED TOP

Fancy solid	lb.,	25c
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TIMOTHY

Fancy, Recleaned	lb.,	20c
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ORCHARD GRASS

Fancy, Recleaned	lb.,	35c
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PASTURE MIXTURE

Grass	lb.,	50c
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SUDAN GRASS

Recleaned, Fancy	lb.,	20c
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LAWN GRASSES

See Page 1

COWPEAS

Whippoorwill	lb.,	15c
Fancy Mixed	lb.,	15c

OATS

Columbia	lb.,	10c
Early White	lb.,	10c

SEED RYE

Recleaned Balbo	lb.,	15c
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SOY BEANS

Illini	lb.,	15c
Virginia (Early Brown)	lb.,	15c

MISCELLANEOUS

Atlas Sorgo	lb.,	15c
Barley, Bearded	lb.,	15c
Broom Corn, Early Spanish	lb.,	35c
Buckwheat	lb.,	15c
Canada Peas	lb.,	20c
Cane, Orange Fodder	lb.,	15c
Flax Seed	lb.,	35c
Grohoma	lb.,	15c
Hegari	lb.,	15c
Kaffir, White	lb.,	15c
Millet, Early Fortune	lb.,	15c
Millet, German, Fancy	lb.,	15c
Millet, Large Yellow	lb.,	15c
Milo Maize	lb.,	15c
Peanuts, Large Jumbo	lb.,	40c
Peanuts, Spanish	lb.,	40c
Rape, Dwarf Essex	lb.,	30c
Sunflower, Russian	lb.,	35c
Vetch, Hairy	lb.,	30c

Write for Prices for Larger Quantities Where No Price is Given—By Mail Add Postage.

FERTILIZERS

PRICES SUBJECT TO CHANGE WITHOUT NOTICE. SHIPPING CHARGES EXTRA

ADCO is a powder which, mixed with vegetable matter and kept moist, turns the latter into real Manure, but without the odor, flies, etc. Directions enclosed in bags.

25 lb. bag, \$2.50; 100 lbs., \$9.50.

ALUMINUM SULPHATE. Used for making soil acid. 5 lbs., 45c; 10 lbs., 85c; 25 lbs., \$1.50; 100 lbs., \$4.00.

ARMOUR'S VELVETGREEN. A high quality, scientifically blended plant food for lawns, flowers, shrubs, trees, fruits, garden vegetables. Clean, odorless, easy to apply. Balanced formula. Product of Armour. 1 lb., 12c; 10 lbs., 85c; 25 lbs., \$1.50; 100 lbs., \$4.00.

BONE MEAL. Supplies Nitragin Phosphoric Acid. Valuable for lawns, flowers, shrubs and trees. 5 lbs., 55c; 10 lbs., 95c; 25 lbs., \$1.75; 50 lbs., \$3.00; 100 lbs., \$5.50.

CATTLE MANURE. Wizard Brand Cow or Cattle Manure is pure manure dried by a special direct heat process. Has no offensive odor. Apply 10 pounds to 100 square feet and rake into the soil. 5 lbs., 30c; 10 lbs., 50c; 25 lbs., 95c; 50 lbs., \$1.80; 100 lbs., \$2.85; 500 lbs., \$13.75.

COTTON SEED MEAL. Rich in nitrogen and potash; suitable for grain crops, but most largely used in lawns. Use $\frac{3}{4}$ to $1\frac{1}{2}$ tons per acre. 5 lbs., 50c; 10 lbs., 95c; 25 lbs., \$1.75; 50 lbs., \$3.15; 100 lbs., \$6.00.

ESMINEL. Can be used to mineralize your garden. Can also be added to fertilizers used for truck crops, lawns, shrubs, trees, etc. This adds the necessary minor elements such as Manganese, Boron, Magnesium, etc.

5 lb. pkg., \$1.25.

G & O the food "WHAT AM" for Dahlias, Lilies, Gladiolus, Bulbs and Tubers. Grow prize winning blooms with this 5-6-15 fertilizer.

5 lbs., 65c; 10 lbs., \$1.15.

HYPONEX. Hyponex is a clean, odorless and soluble powder. One teaspoonful makes a gallon of complete liquid fertilizer for house or outdoor plants. 3 oz. pkg., enough for 18 gals., 25c; 1 lb. pkg., enough for 100 gals., \$1.00; trial pkg., enough for 6 gals., 10c.

IRON SULPHATE. Effective against chickweed. Harmless to lawns. Use $1\frac{1}{2}$ pounds to 1 gallon water. One gallon treats 100 square feet of lawn. 1½ lbs., 15c; 6 lbs., 50c; 12 lbs., 85c; 24 lbs., \$1.50.

LIME HYDRATED. A neutralizer for soil acidity. 10 lbs., 25c; 50 lbs., 95c; 100 lbs., \$1.75.

LIMESTONE, PULVERIZED. Used to neutralize acid soil on lawns and gardens. It is made from the purest crystalline white limestone obtainable. Bag of 10 lbs., 25c; 100 lbs., \$1.75.

LOMA 8-8-8 MINERALIZED. This fertilizer also contains all the essential mineral elements in sufficient amounts, so necessary for your soil. Complete analysis stated on each bag.

25 lbs. \$2.50; 100 lbs., \$8.00.

LOMA. A high-grade plant food for flowers, vegetables, shrubbery and potted plants.

10 lbs., 85c; 25 lbs., \$1.50; 50 lbs., \$2.50; 100 lbs., \$4.00.

MILORGANITE. A unique plant food, scientifically prepared, free from weed seed and all harmful organisms. It is unusually long lasting and easy to apply. It can be applied in generous quantities without danger of burning.

25 lbs., \$1.20; 50 lbs., \$1.85; 100 lbs., \$3.25.

MURIATE OF POTASH. The chief use of Muriate of Potash is the stimulation of root growth.

Lb., 15c; 5 lbs., 65c; 10 lbs., \$1.20; 25 lbs., \$2.75; 50 lbs., \$4.50; 100 lbs., \$8.00.

NEW PLANT LIFE. A Liquid Plant Food, $\frac{1}{2}$ teaspoon makes 1 quart of complete fertilizer. 3 oz. bottle, 25c.

NITRATE OF SODA. The quickest acting and most effective source of Nitragin. It is available almost as soon as applied.

1 lb., 10c; 5 lbs., 45c; 10 lbs., 85c; 25 lbs., \$1.50; 50 lbs., \$2.50; 100 lbs., \$4.00.

PLANTABS. Odorless Plant Food Tablets with Vitamin B¹ added. In boxes of 30 tablets, 25c; 75 tablets, 50c; 200 tablets, \$1.00; 1,000 tablets, \$3.50.

RHUM'S PHOSPHATE. Use it on lawns, vegetable and flower gardens. Supplies phosphorus and calcium. Use 5 pounds to 100 square feet. 100 lbs., \$2.40.

ROSE FOOD. Roses require a different kind of feeding. G. & O. Rose Food is a special mixture of dried blood, fish scrap, bone meal, Guano, potash, cotton seed meal, nitrate of soda, superphosphate, and powdered poultry manure.

Lb. pkg., 20c; 5 lbs., 65c; 10 lbs., \$1.15; 25 lbs., \$2.50; 100 lbs., \$8.50.

SHEEP MANURE. Wizard Brand Sheep Manure is uniformly pulverized. It is economical and convenient. Broadcast 100 pounds to 1,000 square feet.

5 lbs., 30c; 10 lbs., 50c; 25 lbs., 95c; 50 lbs., \$1.80; 100 lbs., \$2.85; 500 lbs., \$13.75.

STIM-U-PLANT. A concentrated fertilizer in Tablet Form. 10 tablets, 10c; 30 tablets, 25c; 100, 75c; 500, \$2.50; 1,000, \$3.50.

SULPHATE OF AMMONIA. Highly concentrated, quick acting. Particularly desirable for lawns. 10 pounds covers 2,500 square feet or 50 ft. x 50 ft. 10 lbs., 85c.

SUPER ACID PHOSPHATE. Sixteen per cent available. Used for crops requiring an excessive amount of phosphoric acid. Lb., 15c; 5 lbs., 55c; 10 lbs., 85c; 25 lbs., \$1.75; 80 lbs., \$3.25.

URAMON. 42 per cent nitrogen for use in direct application to the soil as a top dressing. 1 to 2 lbs. per 100 sq. feet or 1 tablespoonful to gallon of water. Lb., 15c; 5 lbs., 50c; 10 lbs., 90c; 25 lbs., \$2.00; 50 lbs., \$3.50; 100 lbs., \$6.50.

VIGORO is a complete plant food, supplying all of the many elements plants require from the soil for finest growth. Economical and easy to use. Lb., 10c; 10 lbs., 85c; 25 lbs., \$1.50; 100 lbs., \$4.00; 500 lbs., \$18.75.

Vigoro Tablets, pkt., 10c.

EARTHWORMS. Produce perfect soil, cause drainage. Get a breeder box and produce your own worms. Breeder box contains approximately 700 earthworms, also young worms and egg capsules. Breeder box and directions, \$10.00. Ask for free circular.

Insecticides and Fungicides

(All prices subject to change without notice.)

BY MAIL, ADD POSTAGE FOR YOUR ZONE

APHIS SPRAY (Acme) combines a soft spray soap with Black Leaf 40. Recommended for aphid (plant lice), thrip, leaf hopper, and many more hardy insects infesting rose bushes, flowers, shrubs, vines, bushes, and trees.

3 oz. collapsible tube, 40c.

ARSENATE OF LEAD POWDER. The best known and most extensively used stomach poison for insects. It is safe to use on most plants. For general use, 1 pound to 50 gallons of water, or 3 teaspoonfuls to 1 gallon of water.

1 lb., 50c; 4 lbs., \$1.30.

ASTOGEN. Soil Treatment for Asters. A convenient powder, easily cultivated into the soil, acts like magic for the growing of Asters, Columbines, Nasturtiums, Marigolds, Snapdragons, Calendulas, Heliotropes and many other plants. It contains elements to promote root vigor, resulting in robust plant growth.

2 lbs., 75c; 5 lbs., \$1.50; 10 lbs., \$2.75.

BARSPROUT. A ready to use dust containing Methyl Ester of Naphthaleneacetic Acid, which controls sprouting, shrinking, and root growth on beets, carrots, turnips, and potatoes, in home and commercial storage. Harmless, does not affect flavor or eating quality. Apply at rate of 1½ ounces per bushel.

12 oz. can, \$1.00; 5 lbs., \$5.50.

BLACK LEAF "40". A concentrated solution of nicotine sulphate that mixes readily with water. Black Leaf "40" is used to destroy aphids, thrips and leaf hoppers.

1 oz. bottle, 35c; 5 oz. bottle, \$1.05; 1 lb., bottle, \$2.42; 5 lb. tin, \$7.40.

BORDEAUX MIXTURE POWDER. For blight, mildew, rust and fungus diseases. For ordinary use it takes 6 pounds to 50 gallons of water.

1 lb., 40c; 4 lbs., 95c.

BUG-A-BOO GARDEN SPRAY. Kills or controls many of the insects that menace gardens—sucking insects and chewing insects. It is highly concentrated and contains emulsifying and spreading agents so that it needs only to be mixed with water for use.

4 oz. pkg., 50c; 8 oz. pkg., 75c.

COPPER DUST CCC. A fungicide that does not burn, does not contain hydrated lime. Designed for use on all tender foliage.

1 lb., 35c.

COPPER ROTE CCC. Copper and Rotenone. A combined Rotenone insecticide and copper fungicide all in one. Kills Mexican bean beetle, aphids, etc.; blight, mildew and other fungus diseases of tomatoes, potatoes, roses, etc. Ready for immediate use.

1 lb. can, 50c.

COPPER SOLUTION (Hammond's). A spray which controls fungus diseases. Increasing effectiveness after application to foliage. Contains spreading agents and thus mixes easily with water.

½ pt., 50c; 1 qt., \$1.50.

CYANOGAS "A" DUST. A dry powder ready to use against ants, moles, rats, mice, gophers, grasshoppers, fleas, etc.

1 lb., 75c; 5 lbs., \$3.00.

CYANOGAS "G" DUST. Greenhouse fumigant for aphids, white fly, thrips, soft scale and mealy bug, and control for crop-destroying rodents.

5 lbs., \$3.00.

DEENATE 50-W (50% DDT). A wettable dust for spraying crops, as live stock dip or spray, or as residual wall spray for farm buildings. As crop spray, controls such insects as codling moth, thrip, leaf roller, cabbage worm, flea beetle, leafhopper, corn ear worm, corn borer, cotton bollworm etc., when mixed 1 to 2 pounds per gallon of water.

1 lb. pkg., \$1.00; 5 lb. can, \$3.00.

DEENATE 10-X (10% DDT). A ready-to-use free flowing dust application for animals, for farm and home buildings, for stored seed, and for crops. Controls infestation in seed without injury to germination. For crop application, can be mixed with Talc, Copper, Sulfur, or other suitable dusts.

1 lb. pkg., 50c; 5 lb. can, \$2.00.

DURADUST NO. 25 (Acme) containing 25% DDT. Suitable spray for control of leaf hopper, flea beetle, psyllid, plant bugs, Japanese beetle, cabbage worms, potato bugs, caterpillar, thrip, rose chafer, codling moth, oriental fruit moth.

1 lb., cartons, 55c; 4 lb. bags, \$1.70.

D-X ROTENONE SPRAY. A powerful rotenone spray in a spray base of great penetrating qualities. Controls both sucking and chewing insects. Combines with arsenate of lead and standard fungicides.

1½ oz., 35c; 8 oz., \$1.40.

DUTOX—the Non-Arsenical Insecticide. For Mexican bean beetle, striped cucumber beetle, tobacco flea beetle and other flea beetles, also cabbage hopper and corn ear worm, and bean leaf roller.

1 lb., 35c.

EARWORMICIDE. A liquid for use against corn earworm on sweet corn.

2 oz. bottle with dropper applicator, 35c

END O PEST. By the makers of Vigoro; a ready to use garden dust containing Rotenone, Zerlate, and Sulphur. Takes care of most garden insects and diseases.

10 oz. applicator gun, 79c; 2 lb. package, \$1.50; 10 oz. applicator refills, 59c.

EVER GREEN. Non-poisonous insecticide.

Oz. bottle, 35c; 6 oz. bottle, \$1.15; 16 oz. bottle, \$2.45; qt., \$4.10.

EMO-NIK (Acme). Is a valuable spray for the control of scale, red spider, mealy bug, white flies, rust mites, aphids, and many other common insects. A complete contact insect spray combining nicotine in its most active form with Emo, a high quality summer oil emulsion. Practically odorless when sprayed.

4½ oz., 35c; pint, 70c.

EXTRAX INSECT SPRAY. For use against many sucking and chewing insects including ants, aphids, cucumber beetle, flea beetle, leaf hopper, nymph, mealy bug, red spider, rose slug, scale insects, sod web worm, thrips, white fly nymphs.

4 oz., \$1.00; 16 oz., \$2.85.

FERMATE. It is relatively hard to wet, which is one reason why it adheres well to foliage and fruits. Fermate is highly effective against many fungi, is safe on a wide range of plants, is compatible with summer oils and oil-nicotine or oil-lead arsenate combinations.

3 lb. bag, \$2.50.

FISH OIL SOAP (Hammonds). Used as a wash during the summer to prevent spread of scale. Destroys sucking insects and plant lice.

½ pt. can, 35c; pt. can, 65c; qt. can, \$1.25; gal. can, \$4.00.

INSECTICIDES and FUNGICIDES—Continued
ALL PRICES SUBJECT TO CHANGE WITHOUT NOTICE

- FLOWERS OF SULPHUR.** Used to check mildew and fungous diseases.
 1 lb., 10c; 10 lbs., 75c.
- FLY AND MOSQUITO SPRAY (Hammond's).** Stainless. It kills flies, mosquitoes, roaches, quickly. It in no way injures humans, pets or furnishings. It is more powerful than ordinary sprays and has a decidedly pleasing, refreshing and clean odor. A little goes a long way. Contains DDT.
 Pt., 50c; qt., 80c; gal., \$2.60.
- GARDEN ROTE CCC ROTENONE DUST.** A general insecticide for vegetables, flowers and fruits. Contains 75% Rotenone. Most effective insecticide for Mexican beetles. Also contains 2% other Derris Resins. Sticks to leaf.
 1 lb. can, 45c.
- GARDEN DURADUST (Acme).** A durable, accepted combination insecticide and fungicide, containing 5% DDT and 9% copper for the control of certain insects and plant diseases of the vegetable and flower garden. For use on cabbage, cauliflower or the cabbage family, corn, grapes, potatoes, onions, tomatoes and for use on roses and many flowers in the control of corn earworm, caterpillars, worms, rose chafer, thrip and fungus diseases.
 1 lb. cartons, 39c; 4 lb. bags, 85c.
- GRAPE DUST (Hammond's).** Used as a dust to check mildew, dry rot and other fungi,
 1 lb., 40c; 5 lbs., \$1.50.
- GRAFTING WAX.** Used for grafting. Also good to rub over any wounds that are made on the bark or in pruning.
 ¼ lb., 30c; ½ lb., 45c; 1 lb., 70c.
- GREENOL LIQUID FUNGICIDE.** Used against certain Powdery Mildews on Beans, Cucumbers, Dahlias, Delphinium, Garden Peas, Roses, Sweet Peas.
 1 oz. bottle, 35c; 4 oz, 60c; pint, \$1.50.
- KIX (HAMMOND'S) Formerly Triad.** At last, a single spray for chewing and sucking insects and fungus. No mixing of several solutions. Especially developed to solve all problems of rose growers.
 4 oz. bottle, 65c; ½ pt., \$1.00; pt., \$1.50; qt., \$2.50; gal., \$8.00.
- KLEENUP Winter Spray.** A dormant Oil Spray for use against Scale Insects and certain other Garden Pests on deciduous trees and shrubs during dormant season.
 16 oz., 49c; 1 gal., \$1.35.
- KRYOCIDE.** Is an effective fluorine insecticide manufactured from natural Greenland Cryolite. Kryocide may be used as a spray or dust for the control of bean leaf beetles, leaf roller worms, caterpillars, tomato fruit worms, etc.
 1 lb. pkg., 35c.
- KRYOCIDE, No. D50.** A combination insecticide and fungicide.
 1 lb. pkg., 50c; 3 lb. pkg., 85c.
- KRYOCIDE C** is a combined fungicide and insecticide containing copper. All purpose dust or spray.
 1 lb. can, 55c; 3 lb. bag, 90c.
- KOPPER KING (Acme).** The perfect spray or dust for control of tomato blight. Recommended for use wherever Bordeaux Mixture is used. Suitable for use as either dust or spray. Kopper King is a tri-basic copper sulphate—a modern development.
 1 lb., 50c; 4 lbs., \$1.35.
- KOPPER QUEEN (Acme).** (Mildew Spray) is a stainless liquid copper spray for the control of mildew, leaf spot, and black spot, on rose bushes, flowers, and many other kinds of foliage. Leaves no unsightly residue. A liquid spray replacing Bordeaux Mixture and Sulphur.
 ½ pint, 35c; 1 pint, 60c.
- KROP SAVER.** This pyrethrum dust is excellent in the control of leaf hoppers on beans and potatoes, cabbage worm and cabbage loopers, flea beetle and many other chewing and sucking insects.
 2 lb., 75c.
- LIME-SULPHUR POWDER.** Used as a dormant spray against scale insects. Use 10 to 12 pounds to 50 gallons of water.
 1 lb., 37c; 5 lbs., \$1.55; 12½ lb. bag, \$1.95.
- MEXOGEN.** Kills and repels Mexican bean beetles. A highly concentrated contact spray which destroys the larvae and eggs, as well as the adult beetle.
 ½ pint, 75c; qt., \$2.00.
- NICOTINE SULPHATE (Hammond's).** A double action 40 per cent nicotine sulphate for the control of sucking insects. Fumes from the nicotine penetrate through the foliage and gas the insects which are not hit by contact.
 5 oz., \$1.05; 1 lb., \$2.50.
- NICO-FUME POWDER PRESSURE FUMIGATOR.** Is now burned under pressure in the can in which it is packed.
 ½ lb. can, 50c; doz., \$4.60; 1 lb. can, 80c; doz., \$7.95.
- ORTHO SOIL FUMIGANT.** A dichloroethyl ether fumigant for use against wireworms, sod webworm (lawn moth), cabbage maggots, onion maggots, etc.
 4 oz. bottle, 35c; 16 oz. bottle, \$1.00.
- ORTHO SOWBUG KILLER.** A poisoned bait for killing Sowbugs and Pillbugs.
 1 lb., 50c.
- PARA SCALECIDE.** A prepared combination of Scalecide and Paradichlorbenzene. A liquid treatment for peach borer control. Safe to use on peach trees of all ages. Dilute with 7 parts of water. The amount required will depend on size and age of tree. Three-year-old trees will require one pint of solution.
 Qt., \$1.00; 1 gal., \$2.50; 5 gals., \$8.25.
- PARIS GREEN.** Paris Green is a strong and best known poison for potato bugs.
 ¼ lb., 25c; 1 lb., 65c; 5 lbs., \$3.00.
- PEST-B-GON DDT SPRAY.** Contains 20% DDT. Kills many beetles, worms, thrips, leafhoppers, weevils, mosquitoes, fleas, poultry lice, ants and many other insect pests.
 4 oz. bottle, 65c.
- PESTROY 10% DDT POWDER.** Kills ants, lice, flies, moths, roaches, etc.
 3 oz., 39c; 8 oz., 69c.
- PESTROY.** A clear liquid which leaves an almost invisible, long-lasting non-oily 6% DDT coating on the surface to which it is applied. For the control of flies, mosquitoes, roaches, bedbugs, carpet beetles, etc. Applied with brush or applicator directly to the surface.
 Pints, 60c; quarts, \$1.00.
- RED ARROW.** Non-poisonous, kills by contact, will not burn or stain tenderest foliage. One ounce will make 4 to 8 gallons spraying solution. Effective against red spiders, mealy bugs, Mexican bean beetles, and other hard-to-kill pests.
 1 oz. bottle, 35c; 4 oz., \$1.00; 1 pt. can, \$2.85; 1 qt. can, \$5.00.
- RED RIVER POTATO MIX. (Acme).** Dust or Spray. A scientific formula combining a patented copper fungicide with quick-killing arsenic. Kills potato bugs quicker—drives off flea beetle and leaf hopper—prevents blight—stimulates foliage.
 1 lb. bag, 55c.
- ROSE SPRAY KITS.** Contains 2 oz. bottle of "EXTRAX" and 2 oz. bottle of "GREENOL" for simple combination control of many Rose Pests and other Garden Pests—Also used on vegetables.
 Price: \$1.00.

ST. LOUIS SEED COMPANY—"Pure and Sure" Seeds

INSECTICIDES and FUNGICIDES—Continued ALL PRICES SUBJECT TO CHANGE WITHOUT NOTICE

ROSE AND FLOWER SPRAY (Acme Scientific). Set contains three separate items—A, B, and C—each scientifically made to combat one of the three major classifications of blight and insect pest. Mix all three together with water. Result: complete all-around protection.

12 qts., 95c.

ROTENONE GARDEN SPRAY (NNOR). Containing Rotenone kills most common garden bugs of both sucking and leaf eating types. You've got to wet them—to get them. NNOR penetrates the waxy or hairy covering, brings the tremendous power of Rotenone into action.

1 oz., 35c; 6 oz., \$1.00.

ROTENONE GARDEN GUARD (Acme). Is an ideal insecticide for the home garden. Dust or spray. The killing ingredient is Rotenone—noninjurious to human and warm blooded animals. Acts both as contact and stomach poison against a wide range of insects.

1 lb. carton, 50c; 4 lbs., \$1.10.

ROBIN'S GENERAL PURPOSE FRUIT TREE SPRAY. A complete mixture insecticide and fungicide for control of common chewing insects and fungi on common fruit trees. Controls curculio, brown rot and scab on peaches. For control of insects and fungi on other fruit trees and many field and garden crops.

2 lb. package (makes 14 gals.), 40c.
5 lb. package (makes 35 gals.), 85c.

SCALECIDE. A dormant spray for scale. One part Scalecide is mixed with 15 parts water.

Qt., 85c; gal., \$2.00; 5 gals., \$7.35.

SLUG SHOT (Hammond's). All purpose dusting insecticide. Slug Shot is powerfully effective against leaf eating insects.

1 lb., 40c; 5 lbs. \$1.70; 25 lbs., \$5.50.

SLUG SHOT LIQUID (Hammond's). A scientific highly concentrated combination spray. It is "stabilized" by Hammond's patented process to give that extra and greater killing power. Kills quickly and surely most all sucking and chewing insects. Absolutely harmless to foliage, humans and animals.

1 oz., 35c; 4 oz., \$1.00; pint, \$2.60; qt., \$4.50; gal., \$14.50; 5 gals., \$62.50.

SNAROL (With Methaldehyde). A sensational new product that kills cutworms, sowbugs, snails, grasshoppers, etc. A ready prepared bait that is non-injurious to vegetation and will not deteriorate from rain or sprinkling.

1 lb., 35c; 2½ lbs., 75c.

SPRAY CATALIZER. A spreader, sticker and softener for Sulphide, lime sulphur or Arsenate of Lead. Stops lead sulphide (black slug) formation when Arsenate of Lead and Catalizer are combined with Sulphide or Lime Sulphur.

2 lb. bag, 75c.

SPRAY SOAP (Acme). A fish oil soap effective by itself in destroying many sucking insects and lice on plants, trees, ferns, etc. Also extensively used with nicotine and other contact sprays to enhance their effectiveness.

1 lb., 45c; 7½ lbs., \$2.60.

SPIDERID SPRAY For control of red spiders and aphids, 1½ teaspoonfuls to gallon of water.

1 pint, \$3.85.

SPREADER-STICKER (Du Pont) A quality spreading and sticking agent to increase the efficiency of sprays; compatible with hard waters, weather resistant, and economical—1 to 4 ounces per 100 gallons of spray.

1 pint, \$1.00.

SULPHUR, WETTABLE. May be used as a dust or a liquid. Controls mildew, rust, blackspot, red spider, etc.

1 lb., 13c; 5 lbs., 60c; 10 lbs., \$1.15; 25 lbs., \$2.80; 50 lbs., \$5.35; 100 lbs., \$10.25.

WETTABLE DUST-SULPHUR is an improved dusting sulphur for home use which can also be used as a liquid spray. Controls red spiders on evergreen, mildew, leaf spot, and rust on rose bushes, chrysanthemums, snapdragons, carnations, and certain other foliage. An excellent chigger chaser.

2 lb. sifter carton, 42c.

SULFUR MIKE (Dow). A dusting sulphur of microscopic fineness that is instantly wettable. Used in the control of apple scab, brown rot on peaches, cherries and plums. May also be used as a dust.

4 lb. pkg., 80c.

SULFOCIDE. A safe summer spray for scale.

1 pt., 75c; 1 qt., \$1.25; 1 gal., \$2.75; 5 gals., \$9.25;

TOBACCO DUST. Fine powdered tobacco. Used principally as a ground covering in greenhouses to repel insects.

100 lbs., \$6.00.

TOMATO DUST (Acme). Is especially prepared to control blight and worms preying on tomatoe. While specifically designed for tomatoes, it also is equally effective in the control of leaf chewing insects and blight on many other vegetables such as potatoes, cucumbers, beans and cabbage, also many flowers as roses, azalea, evergreens, asters, and hollyhock.

1 lb. carton, 50c; 4 lbs., \$1.05.

PRUNING PAINT, COPPER SHIELD. Prepared liquid paint containing copper, for treating wounds to prevent hard rot fungus and other fungi.

1 pt., 65c; 1 qt., \$1.17; 1 gal., \$3.75.

TREE PAINT (Pine Tar). For painting on wounds after pruning.

1 pt., 30c; 1 qt., 50c; 1 gal., \$1.75.

TREE TANGLEFOOT (Caterpillar Paste). A sticky substance spread around the bark of trees to prevent creeping insects from climbing up the tree.

6 oz. can, 45c; 1 lb., 80c; 5 lbs., \$3.75; 10 lbs., \$7.00; 25 lbs., \$15.00.

TREE BANDS (Balsam Wool). To put on tree before applying Caterpillar paste.

3 inches wide 16 2/3 ft. per roll, 45c each; Log containing 12 rolls, \$5.40 each.

TRI-OGEN. The all-purpose spray. A positive plant protection. Complete rose garden spray treatment. Tri-Ogen is offered in four sizes

A. Small Kit (makes 16 quarts), \$1.50.
B. Medium Kit (makes 64 quarts), \$4.00.
C. Large Kit (makes 32 gallons), \$6.00.
D. Estate Kit (makes 128 gallons), \$20.00.
E. Kit (makes 8 quarts), 90c

TRI-OGEN DUST. Is extremely valuable to the rosarian who wishes to dust instead of spray. It solves practically all of his insect and fungous disease problems easily, effectively and economically. A valuable general-purpose dust.

1 lb., 65c; 5 lbs., \$3.00.

VAPOTONE INSECT SPRAY. Against aphids, thrips, mites, red spider, leafhopper nymphs. Apply 1 teaspoonful to 1 gallon of water.

4 lbs. net, \$7.90.

VEGETABLE AND FLOWER GARDEN DUST (Acme). A dust or spray containing nicotine for many common varieties of sucking insects, and arsenicals for leaf eating insects for the home vegetable and flower garden.

1 lb. cartons, 40c; 4 lb. bags, \$1.10.

VOLCK (Garden). Garden Volck is a combination spray containing highest quality summer oil combined with active nicotine plus soap as wetting agent. Recommended to control aphids, mealy bugs, red spider, whitefly, rust mites and scale.

4 oz., 35c; 16 oz., 75c.

VOLCK (Nursery). The scientific insecticide for nursery, greenhouse and garden. Controls scale insects, mealy bug, white flies, red spiders, rust mites, aphids and thrips.

4 oz., 35c; 16 oz., 70c; 1 gal., \$2.85; 5 gals., \$8.50.

WEED KILLERS

AMMATE WEED KILLER (Ammonium Sulfamate). For the control and eradication of many troublesome weeds. Woody perennials and annuals—use $\frac{3}{4}$ to 1 pound per gallon. Deep and shallow rooted perennials—use 1 to 3 pounds per 100 square feet area. 2 lb. pkg., 85c; 6 lbs., \$2.25.

HAMMOND'S WEED KILLER. Weeds, Poison Ivy and all vegetation are easily destroyed with this highly concentrated (stands dilution with 40 parts of water) material. Simply mix with water, apply with a sprinkling can and all vegetation withers and dies. It can be used to clean up areas which have become overgrown. A few rains wash the ground clean and then it is ready for cultivation. 1 qt., 70c; gal., \$2.00; 5 gals., \$8.00.

ACME WEED KILLER. Destroys weeds and all vegetation. The kind to use on driveways, clay courts, paths, etc. Also widely used in spotting out dandelions, plantain, and other noxious lawn weeds by application undiluted, using a weed cane or squirt-bottom oil can. 1 pt., 50c; 1 qt., 65c; 1 gal., \$1.75.

DAN-D-LION KILLER KANE. All brass applicator that deposits correct amount on crown of plant. Each, \$1.50.

IRON SULPHATE. Effective against chickweed. Harmless to lawns. Use $1\frac{1}{2}$ pounds to 1 gallon water. One gallon treats 100 square feet of lawn. $1\frac{1}{2}$ lbs., 15c; 6 lbs., 50c; 12 lbs., 85c; 24 lbs., \$1.50.

2,4-D WEED KILLERS

END O WEED. By the makers of Vigoro; a liquid 24D selective weed-killer concentrate. A $\frac{1}{2}$ pint, diluted with water, will spray 2,000 square feet of lawn. $\frac{1}{2}$ pt., \$1.00; 1 qt., \$2.75.

WEED-NO-MORE. 2,4-D. Magic weed killer. 8 oz. lawn size treats 1,600 square feet, \$1.00; qt. size treats 6,400 square feet, \$2.98.

WEEDONE. The new scientific weed killer. Kills Poison Ivy, Poison Oak, Bindweed, (Wild Morning Glory), Japanese Honeysuckle, and many other noxious weeds. Sprayed on the leaves, it travels down to the root tips, killing the whole plant. Does not irritate the skin, contains no arsenic or chlorates, does not corrode metals, does not sterilize the soil. Just mix in water and spray. 6 oz. bottle, makes 5 gal. spray, 75c; 1 qt. bottle, makes 25 gal. spray, \$2.50; 1 gal. bottle, makes 100 gal. spray, \$7.50; 5 gal. can, makes 500 gal. spray, \$25.00.

WEEDUST. A 2,4-D selective weed-killer in ready-to-use dust form by the makers of Weedone, the original 2,4-D liquid weed killer. WEEDUST is an easy and economical spot treatment for dandelions and other weeds in lawns; no mixing or diluting necessary. 12 oz. can, 75c.

CRAB GRASS KILLER

CRAB GRASS KILLER LIQUID

Mix the contents of one bottle with 5 gallons of water and spray it on 660 square feet of lawn surface. We recommend a compressed air sprayer, or any type of pressure sprayer that will give an even distribution. Sprinkling cans have been used with good success.

Permanent grasses are usually temporarily discolored for a period of from ten days to two weeks after which time they resume their natural color. Price, \$1.00.

TAT C-LECT. A tested formula for control of Crab Grass, which contains the newly discovered specific, P M A S, which selects and destroys plants and seeds of Crab Grass without injury to lawn grass. May be used anytime of year. Dilute with water and spray or sprinkle on lawn. 8 oz. bottle, 85c; 16 oz. bottle, \$1.50.

RODENT EXTERMINATORS

CYANOGLAS. Pocket gophers may be very easily killed by early-morning treatment. Early in the morning, laterals made the previous night will be found open or plugged with only a small plug of newly-thrown-out dirt. Brush aside the fresh workings and place two tablespoons of Cyanogas A-Dust into the openings at a depth of about 8 or 10 inches. 1 lb., 75c; 5 lbs., \$3.00.

FORCE'S GOPHER KILLER. A most effective control because it is a scientific preparation of the gopher's natural food, properly blended. It is very attractive to gophers and will be readily eaten by them if properly placed, according to directions.

Pkg., about 60 pellets, 50c; 175 pellets, \$1.00.

FORCE'S MOLE KILLER. No Traps—No Gas—No Harm to domestic animals or birds. Force's Mole Killer Pellets are compounded from the mole's natural food. True mole food scent attracts and will positively destroy large numbers of moles. Kill the breeding stock now before they multiply.

1 oz., 35 pellets, 25c; $2\frac{1}{2}$ oz., 75 pellets, 50c; 5 oz., 185 pellets, \$1.00; 1 lb., 875 pellets, \$3.25.

HART'S GOPHER KILL. Poison, which, when placed into the runways of gophers or rats, will quickly destroy them. Pkg., 50c.

HART'S MOLE KILL. Nonpoisonous to humans, birds, pets, always ready, no mixing. Drop 6 or 8 feet apart in runways.

Pkg., 35c.

HART'S POISON WHEAT. The quick and sure mouse exterminator, easy to use. Place wheat in runways where rodents are present.

Pkg., 25c.

KILMICE. Mice will have "their last meal" of KILMICE and the absence of hulled seeds usually means that you are free from these annoying pests.

$1\frac{1}{2}$ oz., 15c; $2\frac{1}{2}$ oz., 25c.

K. R. O., KILLS RATS ONLY. It is harmless to man, dogs, cats, poultry and other domestic animals. However, K. R. O. is a deadly poison to rats and mice. Made of powdered squill which attracts rats and mice. They usually die in the open.

Powder enough to mix $1\frac{1}{2}$ lbs. bait, 75c; Ready Mixed K. R. O., size for household use, 35c; size for factory, farm, etc., \$1.00.

MO-GO (Mole and Gopher Killer). Is the best known specific for these ground burrowing pests.

Trial size, 35c; $3\frac{1}{2}$ oz., \$1.00.

MOLOGEN. Eliminates moles in two or three days. It is easy to use and there is no messy disposal job. It is non-poisonous to birds and pets. Emits no gas and is odorless. $\frac{1}{2}$ lb., 50c; $1\frac{1}{2}$ lbs., \$1.25; 5 lbs., \$4.00.

MOLE-NOTS. Rids lawns and gardens of moles. Ready to use. No mixing. Mole-nots are placed in runways, will not injure grass or soil.

Pkg., 35c, contents, 8 Nots; large size \$1.00, 50 Nots.

RATDOOM. Made in tubular form (like firecracker) but not explosive. Ignited and placed into runways kills rats, moles, gophers, groundhogs, hornets, wasps, etc. Also any burrowing animals or insects where the gas generated after ignition is confined to their den.

Each, 10c; dozen, 95c.

RAT BIS-KIT PASTE. Spread on cheese, crackers, bread, and lay in places most frequented by rats.

2 oz. tube, 25c.

SANASEED. Sure death to rats and mice. Ready for use. Mice prefer sanaseed to food stuffs.

Pkg., 15c.

TAT MOLE KILLER. Tat Mole Bait is offered with whole, raw peanuts, specially colored and impregnated with the odorless, tasteless thallium sulphate as the toxic ingredient. A few Baits placed in runs at 4 to 6 feet intervals will quickly destroy moles.

$\frac{5}{8}$ oz. pkg., 15c; 2 oz., 35c; 1 lb., \$3.00.

TOPZOL (Made of Red Squill). Topzol prepared rat baits are ready for use. Non-poisonous to humans, birds and pets. Sure death to rats.

Pkg., 20c.

ANT AND ROACH DESTROYERS

ANTROL. Kills sweet and grease-eating ants. Consists of small glass containers from which the worker ants carry the Antrol Syrup to the nest, destroying the entire colony. Ready-filled set containing four filled feeders, 40c; Antrol Syrup, for refilling, 4 oz. bottles, 20c.

ANTROL ANT TRAPS. Contains bait to control sweet and grease eating ants.
Each, 15c.

ANTROL ANT POWDER. Kills ants, roaches, silverfish and other pests. Packed in handy shaker twist-top can.
Each, 20c.

TAT ANT TRAPS

America's first and original, scientific ant tray, made with genuine Thallium Sulphate, world's finest medium of ant control. Each trap contains double baits to control both sweet and grease-eating ants. Complete elimination of colony usually occurs within three days.

Each, 25c.

TAT ANT BAIT (Jelly). A specially prepared bait in jelly form, for the control of garden ants. Contains genuine Thallium Sulphate, most effective medium for ant control. Packed in tubes, easy to handle, enables distribution of bait to many colonies. Unsurpassed for the control of outdoor ants.

Per tube, 35c.

ANT-X JELLY BAIT. A most effective THALLIUM bait for destroying all species of ants—SIMPLE TO USE—Not a repellent but a food bait that ants eat and carry back to the nest. Destroys entire colony. "THEIR LAST MEAL."

1 oz., 35c; 4 oz., \$1.00.

SCHILLING'S ROACH & ANT POWDER. Kills roaches, waterbugs and sweet-eating ants. Effective, safe. Use in cracks and corners, on shelves, windows and door sills, around water pipes, etc.

3 oz. pkg., 25c; 6 oz., 50c; 14 oz., \$1.00.

TERRO ANT KILLER. A syrup to be placed on chips of wood or cardboard. Ants will be quite active for some time eating the Terro and taking it back to the nest for the queen ant. The queen ant being destroyed ceases further propagation.

Per bottle, 25c.

CCC 10% DDT POWDER. Besides uses in home for ants and roaches, can be used against fleas on all animals except cats. The 10% DDT powder is recommended by authorities as "the perfect answer to kill lice on cattle, poultry, hogs, sheep, and horses."

1 lb. can, 35c.

CYANOGEN GAS KILLS ANTS

CYANOGEN ANT KILLER

If you have a lawn or garden, keep a can of Cyanogas on hand. This gas-producing powder will solve your ant problem. The spouted can is especially designed for treating ant nests. A pinch will kill all ants in nest—instantly. Spectacularly effective! Easy to apply. A little goes a long way.

4 oz. pkg., 30c



TERMITE KILLER

KEMA* TOX

*DEATH TO TERMITES

Prepared of a toxic base which is recognized as one of the most effective of all chemicals in the termite control field.

"How to Tell and What to Do About It"

To make certain, come in or write us for free folder on termites, telling where to look, their habits, and how you can easily and quickly rid your home of them yourself.

Complete application instructions on each container.
Per gal., \$2.25; 5 gal., \$10.75.

Inoculate all Legume Seeds with

NITRAGIN

Alfalfa, all Clovers

Size	Retail
1 bu. ea.	\$.50
2½ bu. ea.	1.00

BEANS

Navy, Pinto, Wax, String, Kidney, Great Northern

1 bu. size.	\$.35
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Vetch, Austrian Peas, Canadian Peas, Beans

Size	Retail
100 lbs.	\$.50
1200 lb. size	5.70

LESPEDEZA

Unhulled or Hulled

Size	Retail
100 lbs.	.50

Peanuts, Soy Beans, Cow Peas, Lima Beans

Size	Retail
2 bu. ea.	\$.30
5 bu. ea.	.55
25 bu. ea.	2.50
30 bu. ea.	3.25

Garden size package of NITRAGIN for Garden Peas, Beans, Sweet Peas, Lima Beans and Lupines. Each package will inoculate up to 8 pounds of seed.

Price, 10c.

SEMESAN

SEED DISINFECTANTS

It destroys the destructive diseases on the seed and protects them from the rots in the soil, which results in increased stands of more vigorous, healthy plants that yield larger, quality crops. Sprinkling of the seeding beds with Semesan solution effectively prevents damping-off. Recommended especially for seeds, bulbs and gladiolus corms.

Semesan (for Vegetables and Flowers), small pkt., 12c; 2 oz., 45c; 12 oz., \$2.10; 4 lbs., \$10.10.

Semesan Jr. (for Corn), 1½ oz., 17c; 12 oz., 62c; 6¼ lbs., \$4.16. 2 ounces treat one bushel of seed corn, as a dust.

Semesan Bel (for Seed Potatoes, Bulbs, and Roots), 2 oz., 35c; 1 lb., \$1.83; 4 lbs., \$6.33. 1 pound treats 60 to 80 bushels of seed potatoes.

NEW IMPROVED. Ceresan (for Wheat, Oats, Barley, Rye, and Cotton), 4 oz., 35c; 1-lb. tin, 90c; 4-lb. tin, \$3.00; 2 to 3 ounces treat a bushel of seed, as a dust.

ARASAN. An effective dry seed disinfectant and protectant for destroying many surface seedborne organisms and protecting the seed against certain soil-borne organisms responsible for seed decay.

1-oz. pkg., 16c; 8-oz. pkg., 80c.

TERSAN. For Golf and Lawn Turfs.
8-oz. can, 80c.

TERRALITE

A REFINED HORTICULTURAL GRADE OF VERMICULITE

Terra-Lite Brand Vermiculite helps plant and flower growers in every phase of their work. For seed germination, rooting cuttings, soil lightening, and bulb or tuber storage. It not only lightens every seed flat, but aids and improves growth at every stage. Seedlings germinate faster in Terra-Lite. Rooting cuttings develop from 3 days to 3 weeks sooner . . . and are stronger. Terra-Lite lightens and aerates heavy soil yet helps sandy soil retain moisture.

1 lb., 15c; 2 lbs., 25c; bag, about 15 lbs., \$1.25.

GRANULATED PEAT MOSS

Used for Top Dressing on Lawns and for Mulching Bulbs, Shrubs and Roses

Granulated peat moss is a light brown colored virgin soil formed years ago by the growth and decay of mosses (mostly Sphagnum).

Large bale (covers 290 square feet one inch deep.)

Price per bale, \$5.65; F. O. B. St. Louis.

Prices Subject to Change.

SPHAGNUM MOSS

Extensively used for filling fern and orchid baskets, mixing with potted soil, covering tops of pots to preserve moisture, etc.

½ lb., 20c; 1 lb., 35c; bale, about 20 lbs., \$3.50.

SHEET MOSS

For lining hanging baskets, window boxes, etc.

½ bundle, 45c; 1 bundle, 85c; bale, 5 bundles, \$3.50.

ROOTONE

Reg. U. S. Pat. Off.

THE HORMONE POWDER

ROOTS CUTTINGS—GERMINATES SEEDS
STIMULATES BULBS—KILLS FUNGI

No skill is needed to apply Rootone. Just dip cuttings. Dust seeds and plant.

2 oz. Jar will treat 3,000 cuttings.....\$1.00
1 lb. can will treat 30,000 cuttings..... 5.00
Pkt. will treat 400 cuttings..... .25

FRUITONE

REG. U. S. PAT. OFF.

The hormone spray. Holds apples on the tree to maturity of size and color. Also can be used to reduce gardenia bud drop.

2 oz. can, \$1.00 (makes 25 gallons spray). 12 oz. can, \$5.00 (makes 150 gallons spray).

TRANSPLANTONE

REG. U. S. PAT. OFF.

Reduces Loss in Transplanting

A combination of Hormones and Vitamins. A stimulant to the normal process of root formation on established plants and transplants. One teaspoonful of Transplantone will make one gallon of solution. Stock solution can be kept in a dark, cool place without deterioration.

½ oz. pkg., 25c; 3 oz. can, \$1.00; 1 lb. can, \$4.00.

Brandt's Metal Plant Markers and Tags

Brandt's Markers are non-rusting, non-corrosive, easily and permanently marked with fluid that etches into the metal.

B200 Marking fluid
1 oz.25c

B201 2 in. Triangle
Each4½c

B202 7/8x3 3/8
Each6c

B203 3/4x2 7/16
Each5c

B204 Insert for No. 203
4 for5c

B205 Insert for No. 202
3 for5c

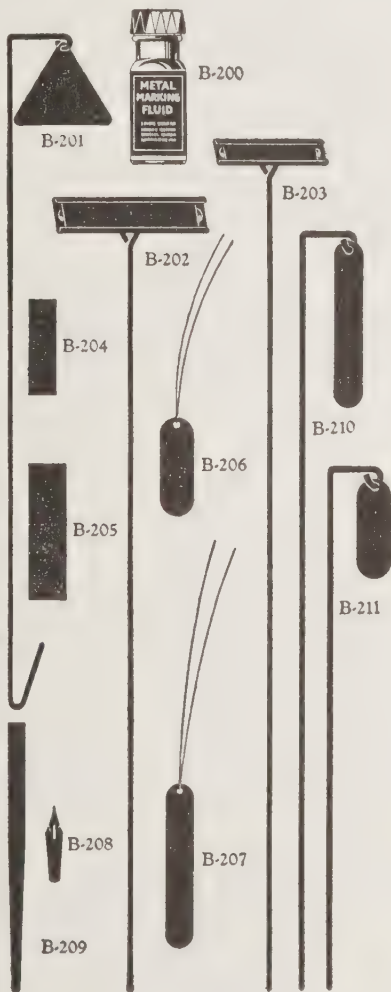
B206 3/4x2 3/16
2 for5c

B207 5/8x3 3/4
3 for10c

B208 and B209
Non-corrosive pen point and holder
Each10c

B210 5/8x3 3/4
Each4½c

B211 3/4x2 3/16
Each4½c



PLANT MARKERS

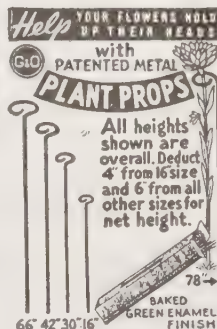
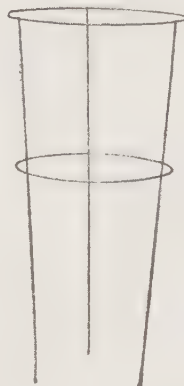
WOOD LABELS—PAINTED WHITE

4x5/8 inch.....	100	1000	8x5/8 inch.....	100	1000
5x5/8 inch.....	\$0.50	\$3.25	10x5/8 inch.....	\$.80	\$5.50
6x5/8 inch.....	.55	3.50	12x1 1/8 inches....	.95	6.50
Wired Tree Labels, 3 1/2 x 7/8 inch.....	.65	4		1.90	3.75

WIRE PLANT PROPS

These require no tying, as the loop at the top can be slipped around the plant stem. To determine the net height of each prop, deduct the following from the overall length: 4 inches from the 16-inch size, 6 inches from all other sizes. This represents the depth to which the stake should be pushed into the ground. It looks better if the shortest practical height is used.

30 inches, doz., \$1.10; 42 inches, doz., \$1.30; 66 inches, doz., \$2.15.



PEONY SUPPORTS

Constructed of heavy galvanized wire.

14 in. diameter of rings 30 in. tall.

Each, 45c; doz., \$4.75.

18 in. diameter of rings 30 in. tall.

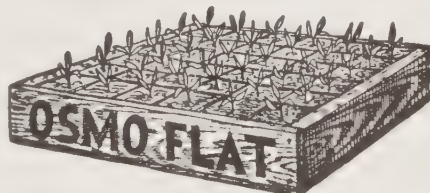
Each, 50c; doz., \$5.25.

PLANT STAKES AND SUPPORTS

BAMBOO CANES. (Dyed Green)

	Doz. 100		Doz. 100
1 1/2 ft.	\$.20	3 ft.	\$.30
2 ft.	.22	3 1/2 ft.	.33
2 1/2 ft.	.25	4 ft.	.35
	1.25		1.70
	1.40		2.00
	1.60		2.25

OSMO Cedar FLATS



Size 12 1/2" x 12 1/2" Complete with 36 2-in. Osmo Pots (Ready to Assemble.) Each, 90c.
Extra Pots for above. 3 doz., 40c; 100 for \$1.00.

Bird's IMPROVED NEPONSET Flower Pots



MADE OF WATER PROOFED RED PAPER

		Weight per 100	Doz.	100	1000
2 1/4 in.	.....	2 lbs.	\$0.20	\$0.85	\$6.20
2 1/2 in.	.....	2 lbs.	.23	1.00	6.40
3 in.	.....	2 lbs.	.25	1.20	7.45
3 1/2 in.	.....	3 lbs.	.35	1.45	9.75
4 in.	.....	4 lbs.	.40	1.60	11.00
5 in.	.....	7 lbs.	.45	2.25	
6 in.	.....	10 lbs.	.50	2.50	

BIRD'S GROWTEX PLANT BANDS

		1 Doz.	100	1000
2x2x2 1/2 in.	.....	\$.15	\$.50	\$2.75
3x3x3 in.	.....	.20	.65	3.50

PLANT BANDS

A Simple Way to Handle Plants for Transplanting.

Square bands and pots are nearly twice the cubic capacity of round pots of same diameter.

All bands packed 250 to a carton. Weight per carton, 2P, 4 lbs.; 3P, 7 lbs.



	Size	Height	250	1000
2P	.....2x2 inches	2 1/2 inches	\$1.50	\$4.50
3P	.....3x3 inches	3 inches	2.00	6.50

Postage Extra

Miscellaneous Garden Equipment

BY MAIL ADD POSTAGE

Due to present conditions, prices quoted in this catalog are subject to change without notice, and all offerings are subject to stock on hand.

RICHMOND STYLE TREE TUBS



These Tree Tubs are made of the same selected Virginia White Cedar, bound with flat steel hoops.

No.	Diam.	Depth	
3B.....	8 inch	8 inch	\$1.20
5B.....	10 inch	9 inch	1.35
7B.....	12 inch	11 inch	2.00



Germaco
Hotkaps
New Method of
Plant Protection

Hotkaps are made of waxed paper. They guard against rain, frost, cold, winds, birds, and insects, and maintain perfect mulch. Growth is forced and yield is increased 10 to 25 per cent. Shipping charges extra.

25 (2 lbs.) with paper setter.....	\$.70
1,000 (28 lbs.).....	13.50
100 with setter (5 lbs.).....	2.75
250 with setter (9 lbs.).....	4.65
Steel Setter (4 lbs.).....	1.95
Fibreboard Setter.....	.20

By Mail, add postage for your Zone.

WAYWARD VINE GUIDE

For training and supporting vines on brick, concrete or any other surface without defacing it; held by cement.

In boxes of 25.....\$1.00
FRANCIS WALL NAILS. (Leadheaded). Ideal for holding climbing plants, and all kinds of electrical and wireless leads.

Package, 20 for \$1.00.

'TWIST-EMS'



Place 'Twist-ems' around stem and support



Twist ends between finger and thumb



In a "flash" stem is securely tied

For plants, shrubs, vines, vegetables and for arranging flowers.

Box of 250 (4-inch size).....	35c
Box of 1,000 (4-inch size).....	\$1.20
Box of 125 (8-inch size).....	35c
Box of 1,000 (8-inch size).....	\$2.40
Box of 125 (16-inch size).....	65c
Box of 1,000 (16-inch size).....	\$4.80

COTTON TWINE

FOR BUNCHING VEGETABLES, FLOWERS, ETC.	
3-ply. Per ball.....	15c
1 lbs.	\$3.50
1-ply. Per ball.....	15c
1 lbs.	\$3.50

JUTE TWINE

FOR TYING TOMATOES ETC.

2 or 3-ply. Per ball about 1/2 lb.....	30c
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RAFFIA

FOR BASKET MAKING

Natural color. Skein about 4 oz., 25c; 1 lb., 75c.	
Colored: Red, Green, Brown, Dark Blue, Black, Orange, Purple.	
Skein, 1 oz.....	15c
1/4 lb.....	40c

By Mail add Postage 10c per lb.



VIGORO FERTILIZER SPREADER

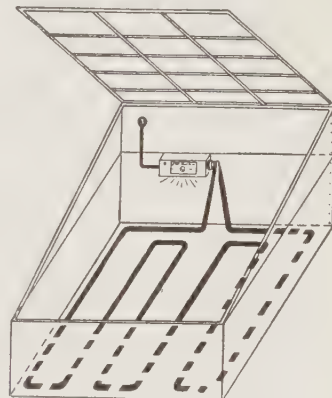
A very durably constructed machine which will spread rapidly and uniformly.

Model B, spreading width	
14 inches.....	\$ 5.15
No. 14. Junior, spreading width	
16 inches.....	9.20
No. 24 Standard. Spreading	
width, 24 inches.....	16.95

VELVETGREEN MASTER SPREADER. Model No. 30. 18 inch spread, on rubber tires.
Each, \$9.00.

GROW QUICK

Insulated heating cable in hotbed soil or beneath outdoor plant rows insures fast early growth. Thermostat and 40-ft. 200 watt cable for 3'x6' hotbed, \$5.35. With 80-ft. 400 watt cable, \$6.95. 80-ft. cable, separately, \$3.20. All 115 volts. For AC or DC. Full information included.



PRICES ARE FOR HEATER ONLY.

FRUIT PICKERS

Attach to pole of any length. Saves all climbing, especially on young trees.

Price.....85c

CYCLONE SEED SOWERS

The hopper or sack has a capacity of 1/2 bushel. It sows with ease to the operator, all varieties of grain and grass seeds perfectly even.

Each, \$3.50; postpaid, \$3.65.



LIGHTNING TIN HORN SEED SOWER

Has long tin sectional tube, having sack attachment; also has adjustable feed for different grains and quantities.

Each, 95c, postpaid.



Made of imported leather processed to make it pliable as kid and washable. An ideal glove for men and women gardeners. Will outwear six cotton gloves. Sizes: No. 7 ladies' medium, No. 8 ladies' large or men's small, No. 9 men's medium, No. 10 men's large.
Per pair, \$1.25, postpaid.

REPELLENTS
DOG SKAT LIQUID
(HAMMOND'S)

A highly concentrated liquid when sprayed at the base of and near evergreens, shrubs, trees, etc., gives off a lasting odor that is very offensive to animals.
Price: 3 ozs., 35c.

DOG SKAT TUBES

Keeps dogs, cats, rabbits away from choice trees and shrubs. To use, just cut away the small end of the tube and hang by its wires to the lower branches of the shrub. Large tube lasts entire year.
Large tube, 25c.

DOG-CHECK

An effective proven curb to canine habits, needed by all whose neighbor's dogs "visit" and wither flowers, shrubs. One application usually lasts from two to three weeks—unaffected by light rains.
Small size contains 3 oz., 60c; 8 oz., \$1.00.

CHAPERONE

(Powder for home use). Odorless to humans. To keep dogs off furniture, rugs, out of rooms, sprinkle around a small amount of Chaperone.
Per package, \$1.00.

CHAPERONE (Liquid)

For use outdoors only. Keeps dogs away from trees, shrubs, flowers, etc.
12 oz. tin, \$1.00.

DOG SHOO

An effective dog repellent at a price you can afford to pay. Harmless to vegetation. Spray once a week where dogs are to be excluded.
Qt., 75c; gal., \$2.50.

DOGZOFF

The nationally known effective dog repellent. Apply with sprayer.
3 oz., 60c.

DOG TEX

Removes dog and cat stains and odors from rugs; prevents rotting and bleaching.
4-oz. bottle, 50c; 8 oz., 85c; 16 oz., \$1.25.

SPRATT'S DOG TROT

A preparation to be rubbed on the female in season to prevent the annoyance of having male dogs being attracted. Complete with full directions.
Price, \$1.00.

RABBIT CHAPERONE

Rabbit Chaperone is an essential oil, dissolved in alcohol. When it is sprayed on foliage, grass, or fences, the alcohol acts as a dispersing agent for the oil, resulting in a light even distribution. After the alcohol evaporates very small droplets of oil remain and it is an effective repellent from 10 days to 3 weeks.
4 oz., 50c; 12 oz., \$1.00.

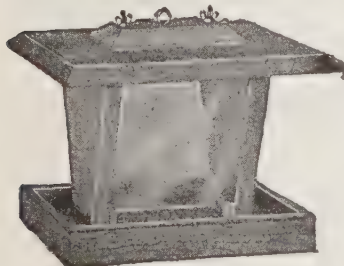
G & O RABBIT REPELLENT. Apply a 2 inch wide band around the plant or running down the row on earth surface at the spread of the plant foliage.
1 lb. pkg., 45c.

FUME-OGEN. A proven pest repellent and deodorant; when sprinkled on soil around shrubs and plants, effectively protects them from cats, dogs, and rabbits.
8 oz. can, 50c.

FEED THE WILD BIRDS

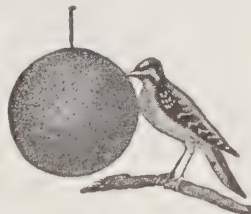
BIRD FEEDER. No. 75. 12 inches wide, 9 inches high, 7½ inches deep.

Each, \$2.50. By mail add postage. Weight packed, 5 lbs.



SUET CAKES FOR WILD BIRDS. A well balanced mixture of seeds, berries and fruit, molded into pure beef suet.
Each, 35c.

PEANUT BUTTER BALLS. A complete bird food containing vitamins, carbohydrates, proteins, oils, minerals, starch, etc. May be hung from branch of tree or shrub by string.
Each, 35c; packed 4 in box, \$1.35.



WILD BIRD SEED. A mixture of seed suitable for all wild seed eating birds. Write for prices.

LEE'S POULTRY REMEDIES

GERMOZONE. Germozone is a liquid used in the drinking water in treatment and prevention of roup colds, etc.
12 oz. bottle, 75c; 32 oz. bottle, \$1.50.

GIZZARD CAPSULES for worms.

Adult size, pkg. 50 for\$.75
Adult size, pkg. 100 for 1.25
Pullet size, pkg. 50 for50
Pullet size, pkg. 100 for 1.00
Chick size, pkg. 50 for40
Chick size, pkg. 100 for 1.00

ACIDOX for the treatment and prevention of coccidiosis.
4 oz. bottle, 50c; 12 oz. bottle, \$1.00.

LEEMULSION. Mixed with drinking water or in mash in treatment of bronchitis, colds, pneumonia.
12 oz. bottle, \$1.00.

VAPO SPRAY. Treats the whole flock. Protects against the highly contagious nature of moist poultry diseases. Spray over fowls in fine mist.
1 quart, 75c.

LEE'S LICE KILLER. Spray on roosts. Kills lice, mites, blue bugs.
1 qt., 60c; ½ gal., 90c; 1 gal., \$1.50.

WRITE FOR PRICES OF POULTRY FEEDERS, WATER FOUNTS, LEG BANDS, ETC.

DR. LeGEAR'S POULTRY REMEDIES

POULTRY PRESCRIPTION. A concentrated tonic. It promotes the appetite and stimulates digestive processes.
12 oz. pkg., 30c; 1 lb. 14 oz. pkg., 60c; 4 lb. 8 oz. pkg., \$1.20.

POULTRY WORM POWDER is a scientifically compounded prescription to be mixed with mash.
1 lb. 2 oz. pkg., 60c.

POULTRY RED CAPS. Individual treatment for large round worms in poultry.
Pkg., 50 tablets, 60c.

A.-A. POULTRY TABS. A most effective and economical drinking water medication.
Pkg. 20 tabs, 30c; 50 tabs, 60c.

ANTISEPTIC TABLETS. For washing eyes and mouth in treatment of roupe and colds.
Pkg. 25 tablets, 30c; 60 tablets, 60c.

LICE POWDER. Dusted well into feathers kills lice.
14 oz. pkg., 30c.

DIP AND DISINFECTANT for spraying poultry house, washing drinking vessels, etc.
8 oz. bottle, 35c; qt. bottle, 80c; gal. bottle, \$2.65.

POULTRY HOUSE INSECTICIDE. Painted on roosts to kill mites.
3 oz. bottle, 50c.

HOG PRESCRIPTION. A tonic to be mixed with feed.
12 oz. pkg., 30c; 1 lb. 14 oz. pkg., 60c; 4 lb. 8 oz. pkg., \$1.20.

STOCK POWDER. A tonic for cattle, hogs, horses and sheep.
12 oz., 30c; 1 lb. 14 oz., 60c.

2-WAY FLY KILLER

- KILLS FLIES, MOSQUITOES, ETC. TRYING TO GET IN
- NON-POISONOUS TO HUMANS
- EFFECTIVE 4 DAYS

Colorless. Pleasing Odor. Just wipe on screens. Kills insects inside and outside. "Electric Screens" in a bottle. Works 24 hours a day. Costs only a few cents per application. For homes, porches, dairies, camps, barns. One bottle last for months.

4 ozs., 49c; 8 ozs., 89c.

C.C.C. LOUSE KILLER

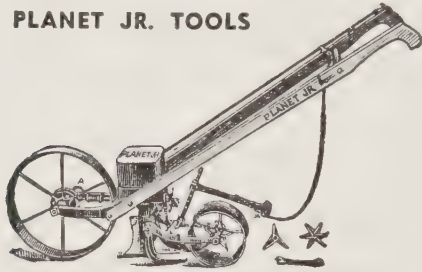
Kills lice on poultry, hogs, cattle, and horses. Kills fleas on dogs, cats and foxes. May also be used as a garden spray or dust

1 lb. pkg., 50c.

GARDEN TOOLS

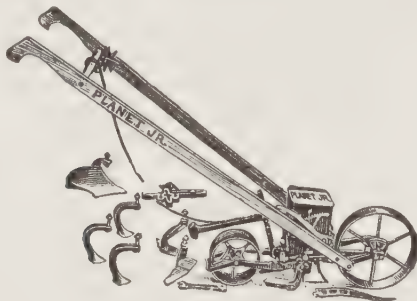
ALL PRICES QUOTED ARE SUBJECT TO CHANGE WITHOUT NOTICE AND OFFERED SUBJECT TO STOCK ON HAND

PLANET JR. TOOLS



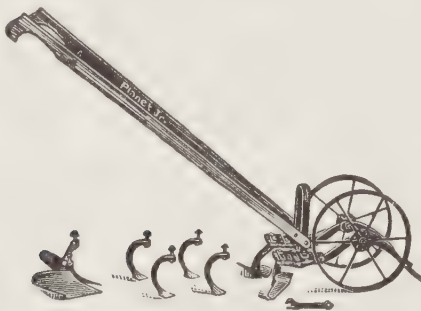
Planet Jr. No. 3 Hill and Drill Seeder

The hill dropping is simple and reliable, making hills either 4, 6, 8, 12 or 24 inches apart. 15-inch steel driving wheel. Holds 3 quarts of seed. Weight packed 44 lbs. \$20.75.



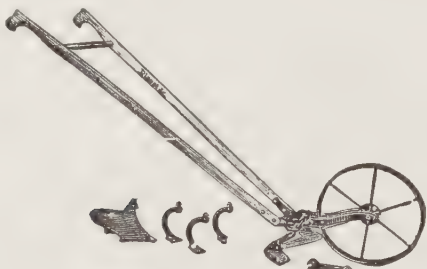
No. 4 Planet Jr. Combined Hill and Drill Seeder and Wheel Hoe Complete, \$22.00

No. 4D Hill and Drill Seeder, same as the above less the cultivating attachments. \$17.60.



No. 12 Planet Jr. Double and Single Wheel Hoe. \$13.60. Can be used with one or two wheels.

No. 13 Planet Jr. Double and Single Wheel Hoe. Has same frame, wheels and handles as No. 12, but has for equipment one pair of 6-inch hoes only. \$10.45.



No. 17 Planet Jr. Single Wheel Hoe. These single wheel hoes have steel frames and 15-inch steel wheel. \$9.40.

ALL STEEL CULTIVATOR

Has 21-inch, high wheel, double pointed shovel, plow and 5-tooth cultivator. Each \$4.25.



EXTRAS FOR PLANET JR. TOOLS

Plow for Single Wheel Hoe. Each.....	\$1.15
No. 4402X, No. 4403X Hoe. 6-inch blade. Pair.....	1.50
Rakes. Each, 3-tooth, 50c; 5-tooth.....	.75
Disc Hoes. Pair.....	3.75
Three-prong Cultivator Teeth. Pair.....	1.50
Cultivator Teeth. Each.....	.35

GARDEX CULTIVATOR

3-PRONG

For large or small gardens, this easy to operate tool is unsurpassed. The position and construction of the high carbon steel tines cause them to penetrate any soil with ease as they loosen and cultivate the ground thoroughly. A child can do perfect work with this New Cultivator. Excellent quality and attractive low price.



No. 1503—4½ foot handle. Complete, price.....98c

GARDEX 3-PRONG MIDGET CULTIVATOR

Excellent tool for loosening and aerating soil in small flower beds.

No. 713—2¾ inches wide, 16 inches long. Price40c



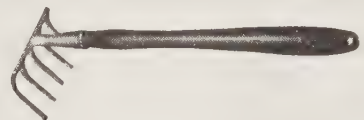
NO. 714 GARDEX MIDGET CULTI-WEEDER

Different only in having the additional weeding blade on top which, when pulled through the soil, cuts small weeds. Polished handle.

3 Prongs, 2¾ inches wide. Blade 1½ inches wide. Length with handle 16 inches.....50c



NO. 715 GARDEX MIDGET RAKE



Small handy design. 5 teeth 2½ inches long, width 3½ inches. Length with handle 12 inches.....50c

No. 403

GARDEX LAWN SWEEP

Made of a special tempered spring-steel, with flat, flexible teeth that do not pull grass roots. Well balanced, lightweight and well constructed. Each \$1.35.



ALL PRICES F.O.B., ST. LOUIS, MISSOURI

GARDEN TOOLS

ALL PRICES QUOTED ARE SUBJECT TO CHANGE WITHOUT NOTICE AND OFFERED SUBJECT TO STOCK ON HAND

ASPARAGUS KNIFE



Highest grade crucible steel. 7 $\frac{3}{4}$ inches long, 1 $\frac{1}{4}$ -inch blade. Fastened by two rivets in highly polished hardwood handle. Each.....50c

STEEL GARDEN RAKE



14 teeth. Each.....\$1.50
16 teeth. Each.....1.75

SOCKET GARDEN TROWEL



No. 205-1

Blade forged from one solid piece of high-grade steel, tempered and polished. Each.....\$1.50

GARDEN TROWEL NO. 215

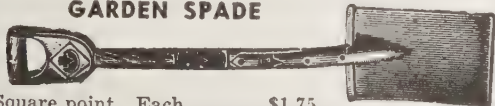
Heavy 6-inch blade, polished hardwood handle. Each.....40c



STANLEY TROWELS

No. 1 Transplanting. Each.....25c
No. 2. Garden. Each.....30c

GARDEN SPADE



Square point. Each.....\$1.75

DOO-KLIP

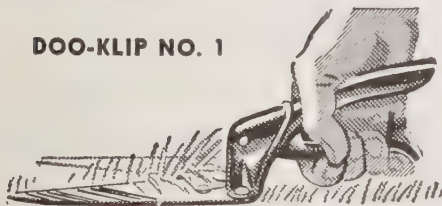
Long Handle Grass Shear

Trimming grass is a real pleasure if you use Doo-Klip's Long Handle Shear. It eliminates such nuisances as Backache, Leg Cramp, Stopping and Carrying. It's as modern as tomorrow.

\$2.75.



DOO-KLIP NO. 1



Handles are pinch-proof and allow your arm and hand to always be in a natural position. Each.....\$1.50

WARREN HOE



No. KWS

For opening seed rows, covering seed, hilling, cultivating and weeding. Has more uses than any other hoe made. Each.....\$1.45

POTATO HOOK



No. D.E.O. Each...\$2.00

PRUNING SHEARS



Very strong steel blades and good spring. No. KCP. Each.....\$1.25

HAND SPADING FORK



These forks are well made. The tines are polished about half-way and adjoining part enameled blue. 11-inch. Each.....55c

FORK

For digging or spading, 4 tines. Strap ferule.

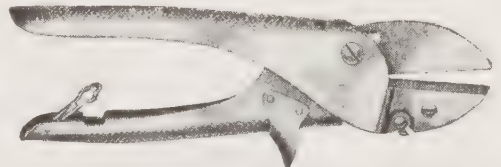
No. D.E.S.D. Each.....\$2.00

LADIES' SPADING FORK

A light fork carefully made of same material as full size tool.

No. KMSD. Each.....\$1.78

SNAP CUT PRUNER

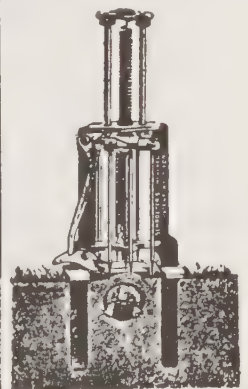
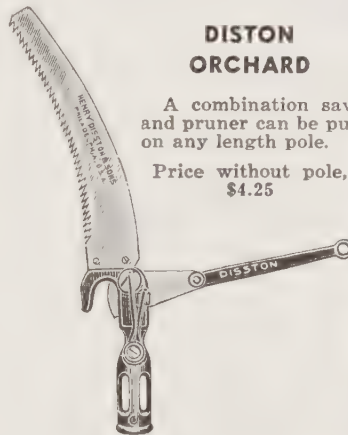


Out-cuts all others. All steel, unbreakable, chromium finished, tempered tool-steel blade. All parts replaceable. No. 119. Cuts $\frac{3}{4}$ inch branches. Each...\$2.00
No. 118. Ladies size. Each.....1.25

DISSTON ORCHARD

A combination saw and pruner can be put on any length pole.

Price without pole, \$4.25

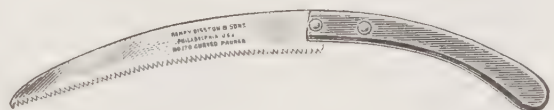


Self-setting Mole Trap. Each...\$1.75

PRUNING SAW

Disston No. 166. 14 inch, curved blade.

Each, \$1.60



ALL PRICES F.O.B., ST. LOUIS, MISSOURI

SPRAYERS AND DUSTERS

ALL PRICES QUOTED ARE SUBJECT TO CHANGE WITHOUT NOTICE AND OFFERED SUBJECT TO STOCK ON HAND



HUDSON PERFECTION SPRAYERS

The tanks have riveted seams. Tested to 100 pounds pressure. Equipped with 1 3/4 inch brass pump. Open top with 4 point lock.

- Galvanized Perfection, 4 gals.\$10.50
- Galvanized Booster, 3 1/2 gals. 6.80
- Galvanized Climax, Jr. 2 1/2 gals. 8.50
- Copper Climax, 3 3/4 gals.13.60
- Copper Climax, Jr. 2 1/2 gals.13.00



SMITH COMPRESSED AIR SPRAYERS

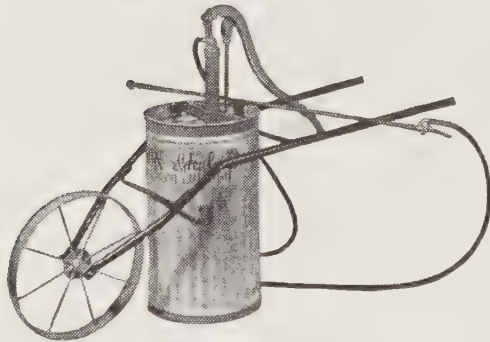
Banner No. 22GO. Open top, galvanized, 4 gallon tank. \$10.00 each.

Lightning No. 24GO. Open top, galvanized, 3 1/2 gallon tank. \$9.00 each.

Lightning No. 24GF. Funnel top, galvanized, 3 1/2 gallon tank. \$8.00.

E-Z KNAPSACK SPRAYER

Five gallon, air-conditioned galvanized tank, brass pump, adjustable nozzle, trigger shut-off control. \$25.40 each.

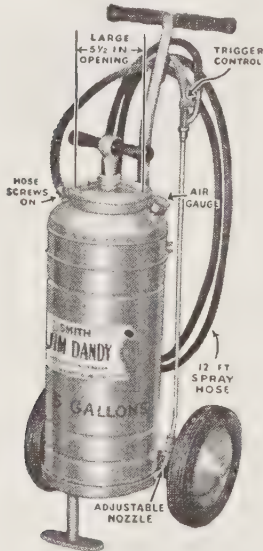


HUDSON IDEAL WHEELBARROW SPRAYER

Galvanized tank. 18 inch diameter wheel, 18 gallon capacity, 10 feet, 3/8 inch hose, shut-off valve. \$37.20.

HUDSON SUNSHINE WHEELBARROW SPRAYER

Galvanized tank. 16 inch diameter wheel, 12 1/2 gallon capacity, 6 feet, 3/8 inch hose, shut-off valve. \$22.00 each



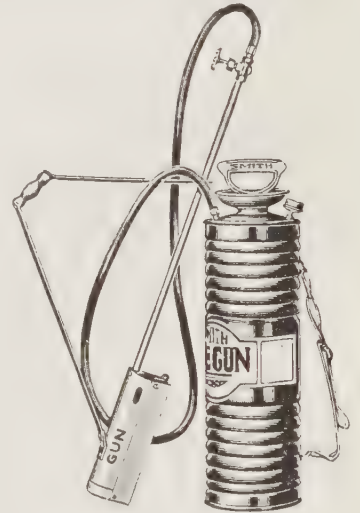
SMITH JIM-DANDY CART SPRAYER

Entirely new. Strong, 5 gallon, compressed air sprayer securely mounted on a cart for easily wheeling about the lawn, grounds or garden. The tank is made of Zincgrip steel, a non-rust metal. Balloon tire wheels are on roller bearings. Ideal for spraying vegetables, potatoes, grapes, fruit trees, flowers, roses, vines, trees, shrubbery. Excellent for greenhouse work, poultry houses, stables, cellars, barns. Each \$32.00.

SMITH FLAME GUN

Four gallon heavy corrugated fuel and air tank; 1 1/4 inch diameter brass air pump, pressure gauge, 7 feet of oil-resisting hose, seamless steel coil flat flame burner. Indispensable in the garden, on the farm, and around the home. For blister rust control, cleaning out irrigation ditches, removing weeds, destroying insect pests.

\$22.45 each



BUCKET PUMPS

Smith No. 92. Continuous unbroken spray of large volume. For use in any pail or bucket. Nozzle brass; large broad, fine mist or long coarse spray. Each \$7.50.

SMITH NO. 45

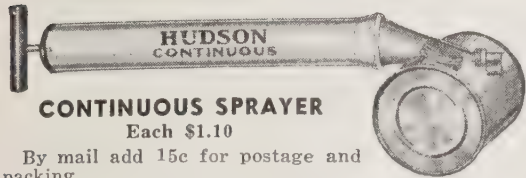
Throws powerful continuous unbroken spray or stream as desired. Use in pail or bucket by simply placing bucket strainer inside vessel. Will spray tall trees from the ground. Each \$5.95.

Periodical spraying of your garden will keep it free of insect pests. See Insecticides on pages 50, 51, and 52.

ALL PRICES F.O.B. ST. LOUIS, MISSOURI

SPRAYERS AND DUSTERS

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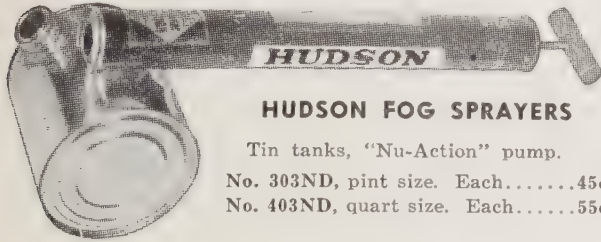


CONTINUOUS SPRAYER
Each \$1.10

By mail add 15c for postage and packing.

HUDSON CARDINAL

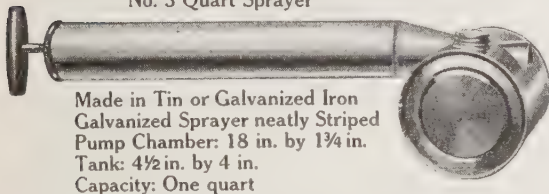
Three quart continuous. "Nu-Action" pump. Galvanized tank, adjustable nozzle. \$1.85 each.



HUDSON FOG SPRAYERS

Tin tanks, "Nu-Action" pump.
No. 303ND, pint size. Each.....45c
No. 403ND, quart size. Each.....55c

No. 3 Quart Sprayer



Made in Tin or Galvanized Iron
Galvanized Sprayer neatly Striped
Pump Chamber: 18 in. by 1 3/4 in.
Tank: 4 1/2 in. by 4 in.
Capacity: One quart

SMITH HAND SPRAYER NO. 3

The cone end pump barrel goes through tank where it is thoroughly soldered, giving added strength, making a strongly built sprayer.

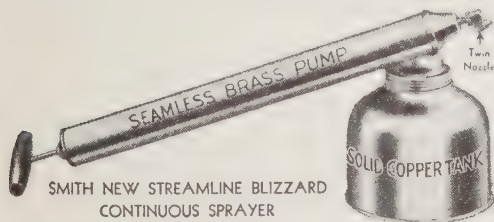
No. 3T (tin)60c
No. 3G (galvanized)75c



SMITH CONTINUOUS SPRAYER

Nozzle and discharge tube are easily removed for cleaning. Sprays all insecticides, disinfectants and for general garden use. One quart tank.

No. 10T (tin). Each\$1.00
No. 10G (galvanized). Each1.30



SMITH NEW STREAMLINE BLIZZARD CONTINUOUS SPRAYER

BLIZZARD STREAMLINE

Quart size. Heavy copper tank. Seamless brass pump.
Each\$3.70

SIGNAL DUSTER

Each 40c
Length 11 in.

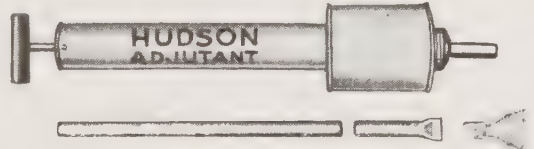


CADET DUSTER



Each, 55c. Length 15 inches.

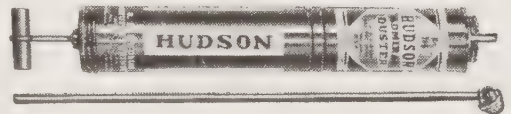
HUDSON ADJUSTABLE DUSTER



NO. 664 ADJUTANT DUSTER

A duster for the home gardener. Handles all types of dry powdered insecticide efficiently. Each, 70c.

HUDSON ADMIRAL DUSTER

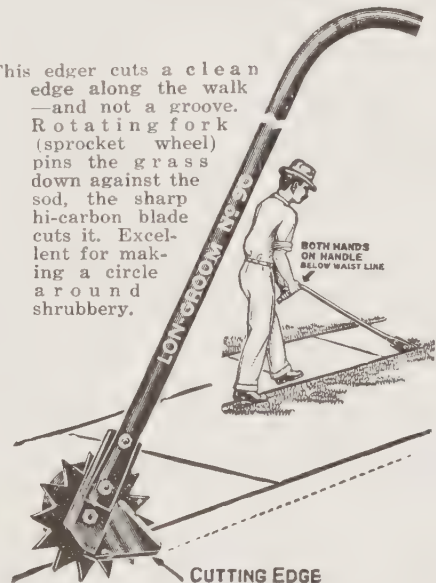


NO. 765 ADMIRAL DUSTER

The Admiral duster will apply any powdered insecticide. Special plunger provides powerful airblast which drives through powder agitating it thoroughly. Each, \$1.40.

"Lon-Groom" LAWN EDGER

This edger cuts a clean edge along the walk—and not a groove. Rotating fork (sprocket wheel) pins the grass down against the sod, the sharp hi-carbon blade cuts it. Excellent for making a circle around shrubbery.



This is a sturdy, durable edger that really works

Only \$3.69

ALL PRICES F.O.B., ST. LOUIS, MISSOURI

Spratt's Dog Food

PRICES SUBJECT TO CHANGE WITHOUT NOTICE

BY MAIL ADD POSTAGE

HOW MUCH SHALL I FEED MY DOG?

APPROXIMATE DAILY QUANTITIES FOR A GROWN DOG
OR the Equivalent in Number of BISCUITS as follows:

BREED	SUCH AS	FIBO (or other granulated foods)	OVALS	SPIX	PUPPY BISCUITS	C. L. O. CAKES	DOG CAKES
Toy Breeds	Pekingese, etc.	2 to 4 ounces	15 to 30	4 to 8	1 to 2	1 to 2	.....
Small Breeds	Bostons, etc.	4 to 8 ounces	30 to 60	8 to 16	2 to 5	2 to 5	1 to 1½
Medium Breeds	Airedales, etc.	10 to 16 ounces	80 to 125	20 to 35	6 to 9	6 to 9	2½ to 4
Large Breeds	Shepherds, etc.	1 to 1¼ pounds	125 to 150	35 to 45	9 to 12	9 to 12	4 to 5
Very Large Breeds	Great Danes, etc.	1½ to 2 pounds	.....	50 to 70	14 to 18	14 to 18	6 to 8

Spratt's Meat-Fibrine Dog Biscuits and Granulated Foods are QUALITY foods of clean, fresh appearance and wholesome, appetizing aroma. They contain no artificial flavorings or preservatives of any kind. Being well baked, Spratt's Dog Foods will retain their nutritive value for years, if stored in a cool dry place. Their full crispness can always be quickly restored by placing them in a hot oven for a few minutes.

SPIX DOG BISCUITS. Bone-size biscuits. The ideal daily diet for all breeds. High food value. Convenient in shape, easy for the dog to grasp.
Package: 31 ozs., 42c.

FIBO. A unique granulated food containing a large percentage of Spratt's world-famous Meat Fibrine. It is very appetizing and highly recommended for shy and dainty feeders, as a change of diet or as a suitable food for any dog at any time. Can be given dry or mixed with vegetables, soup, broth, etc.
Package: 32 ozs., 48c.

OVALS Oval Biscuits. Wonderful for all dogs, especially the smaller breeds. Contain plenty of meat; crunchy and satisfying. Convenient to feed and easy to carry in the pocket when on a walk with your dog.
Package: 26 ozs., 40c.

CHARCOAL OVALS. Same as Ovals with pure charcoal added. Black in color. Aid in absorbing intestinal and stomach gases. Every dog should have a full meal of Spratt's Charcoal Ovals once or twice a week; meat-fed dogs oftended. All dogs eat them with avidity.
Package: 26 ozs., 42c.

SPRATT'S ASSORTED BISCUITS. Are offered for the purpose of giving your dog just the variety of chunky foods that he needs for the maintenance of stamina and good health. The combination is made up of Spix, Ovals, Charcoal Ovals, Cod Liver Oil Ovals, and Fish and Meat Ovals, and constitutes an ideal all-the-year-round food.
Package: 26 ozs., 42c.

KIBBLED DOG CAKES. Regular dog cakes, broken to about the size of almonds and screened and sifted. Convenient for mixing with vegetables, etc.
5 lbs., 98c; 10 lbs., \$1.95; 25 lbs., \$4.83; 50 lbs., \$9.58.

SPRATT'S PUPPILAC. Is very much richer than cow's milk and is equal in strength and nourishment to bitch's or vixen's milk. This is important because when ordinary cow's milk is used much unnecessary bulk must be taken to obtain the required amount of nutrition. This may cause stomach distention and indigestion. Avoid this possibility by feeding Spratt's Puppilac which is always available in a fresh and convenient form.
Tins: 10 ozs., 77c.

PEPSINATED PUPPY MEAL. For feeding young puppies before and after weaning. Contains pure pepsin and is extremely assimilative. Excellent for delicate puppies and for dogs with weak digestions.
Tins: 12 ozs., 36c.

PUPPY MEAL. The standard weaning food. For feeding puppies until old enough to eat more solid food. Good for any dog out of condition.
Package: 12 ozc., 25c.

BONE MEAL. For building strong framework and preventing malformations. A pure, sweet bone meal made from sterilized bone. To be dusted over the puppies' food.
Tins: 18 ozs., 27c.

CALCIUM PHOSPHATE. For building strong bones and for rickets, especially in the larger and medium breeds. Rich in phosphoric acid. To be mixed with the food twice a day.
Tins: 8 ozs., 40c.

SPRATT'S BIRD FOOD

SPRATT'S COD LIVER OIL NESTLING FOOD. An ideal food for young canaries. An efficient substitute for egg food, being far less expensive and more easily prepared.
4 oz. pkg., 15c; 9 oz. pkg., 25c; 5 lb. bag, \$1.20.

SPRATT'S MIXED BIRD SEED. A complete mixture for canaries.
15 oz. pkg., 30c.

SPRATT'S CANARY SEED MIXTURE with egg flake and fruit.
15 oz. pkg., 30c.

SPRATT'S LOVE BIRD MIXTURE.
15 oz. pkg., 30c.

SPRATT'S PARROT MIXTURE.
1 lb. pkg., 30c.

SPRATT'S ZEKE. Dried tropical flies for birds, fish, turtles.
½ oz., 10c.

SPRATT'S FISH FOOD

SPRATT'S NATURAL FISH FOOD. A granulated food for goldfish.
¾ oz. pkg., 10c.

SPRATT'S TROPICAL FISH FOOD. Contains the correct ingredients for keeping tropical fish in good health.
¾ oz. pkg., 10c.

SPRATT'S GENUINE WAFER FISH FOOD. The popular white wafer food for goldfish.
½ oz. pkg., 10c.

SPRATT'S RECTO. The aquarium Water Rectifier for fungus, tail rot, white spots, etc. A small teaspoonful added to each gallon of water, once a month, will replace mineral content of the water to benefit fish and plants.
3 oz. pkg., 25c.

SPRATT'S CAT FOOD

SPRATT'S CAT FOOD. With meat, fish and milk — a complete food.
Packages: 6½ ozs., 12c; 24 ozs., 36c.

COUSIN'S CAT FOOD

COUSIN'S CAT FOOD. A complete (dehydrated) cat food. Contains fish meal, liver meal, dried sweet milk, meat meal, wheat flour and concentrated fish liver oil. Moisten with a small amount of warm water or milk and feed.
8 oz. pkg., 16c.

SPRATT'S DOG MEDICINES

Spratt's Medicines are made from the purest ingredients obtainable and are always kept up to the highest level of modern veterinary science. Millions of dog owners have found them thoroughly effective, reliable and safe. Dosage and directions appear on all packages and should be followed closely. They are packed to keep in any climate for any length of time.

REGULAR SIZE PACKAGES

	Price
SPRATT'S ASTRINGENT TABLETS, 40 Tabs.....	\$.60
SPRATT'S CALCIUM PHOSPHATE, 8 Oz.....	.40
SPRATT'S COD LIVER OIL CAPSULES, For Vitamins A and D deficiencies. 20 Caps.....	.60
SPRATT'S CONSTIPATION TABLETS, 40 Tabs.....	.60
SPRATT'S COUGH TABLETS, For coughs due to Colds. 40 Tabs.....	.60
SPRATT'S DOG TROT. For bitches in season. 1 Oz...	1.00
SPRATT'S DIP. Disinfectant, insecticide and deodorant. Refined and highly concentrated. Makes a milky solution (1 part to 100 parts or 1 tablespoonful to 1 quart of water.) 12 Oz.....	.60
SPRATT'S DIURETIC TABLETS, For kidney and bladder trouble. 40 Tabs.....	.60
SPRATT'S EAR CANKER OINTMENT, For external and internal ear canker. 2 oz.....	.75
SPRATT'S LAXATIVE TABLETS, For stimulating liver and bowels. 50 Tabs.....	.60
SPRATT'S LINIMENT, For sprains and bruises. 3 Oz.....	.60
SPRATT'S MANGE LIQUID, For sarcoptic mange. 12 Oz.....	.75
SPRATT'S OINTMENT, For Sarcoptic Mange and Irritation, Scratching or Eczema due to Sarcoptic Mange Mites. 2 Oz.....	.60
SPRATT'S "SPECIAL" TABLETS FOR DOGS, A diuretic and stimulant. 75 Tabs.....	1.00
SPRATT'S "SPECIAL" TABLETS FOR TOY DOGS AND PUPPIES. 50 Tabs.....	1.00
SPRATT'S STOMACH SEDATIVE TABLETS. 40 Tabs.....	.60
SPRATT'S SULPHUR TABLETS. 40 Tabs.....	.60
SPRATT'S TAPEWORM TABLETS, For tapeworm in dogs and puppies. 12 Tabs.....	.60
SPRATT'S TONIC TABLETS FOR DOGS, A general tonic. 60 Tabs.....	.60
SPRATT'S TONIC TABLETS FOR TOY DOGS AND PUPPIES. 75 Tabs.....	.60
SPRATT'S WORM CAPSULES FOR DOGS, For large roundworms or ascarids. 20 Tabs.....	.60
SPRATT'S WORM CAPSULES FOR PUPPIES AND TOY DOGS, For large roundworms or ascarids. 25 Tabs.....	.60
SPRATT'S BLACK FLEA SOAP. To be used when the dog is much bothered by fleas. Lathers freely and cleans thoroughly. Beneficial to coat and skin.....	.30
SPRATT'S WHITE DOG SOAP. Produces a beautiful, glossy coat, leaving the skin clean and free from scurf and scales. The ideal soap for the dog's regular bath..	.25
DRY CLEANING POWDER. For dry cleaning all dogs, especially white and light colored breeds. To be sprinkled well into coat and then thoroughly brushed out, leaving the dog's skin and coat in first class condition. 4 Oz. box.....	.30

CEDAR BEDDING

Made from the heart of the red cedar. Keeps your kennel sweet and clean. Red cedar bedding is insect-repelling and the oil in the cedar keeps your dog's coat shiny.
Pkg., enough for sleeping pad, 35c; large bag, 40 to 50 lbs., \$2.25; 2 bags, \$4.25; 1/2 bag, \$1.25.

REX WHEAT GERM OIL

The richest natural source of vitamin E, (reproductive vitamin). Also helps to give the animal a rich, glossy coat.
4 oz. bottle, \$1.00.

PULVEX FLEA POWDER

A quick killing flea powder; can be used on dogs or cats. To avoid chigger bites on humans apply on legs and feet before visiting chigger infested areas.
1 1/5 oz. pkg.....25c 3 1/3 oz. pkg.....50c

TOYS FOR YOUR DOG

Write for prices of above. Due to present conditions supplies are uncertain.



DON'T BLAME FLEAS

When dogs itch—scratch continually it is usually *not due to* fleas, mange, diet. 2 to 1 it's **FUNGUS ITCH**—grass-borne fungus infection long a puzzle to science. Now a noted specialist's discovery—**SULFADENE**—*applied externally*, stops itching in minutes...clears up scales and sores in a few days. Generous treatment only 98c. Guaranteed.

DR. MERRICK'S SULFADENE

HILO DIP

KILLS FLEAS AND LICE

HILO DIP is a highly concentrated liquid. Dissolve a tablespoonful in a gallon of water and saturate the dog's coat thoroughly for several minutes. It kills all fleas and lice in 10 minutes. Dry the dog without rinsing. Fine particles of HILO DIP will remain in the coat and delay reinfestation. It leaves a pleasant odor.

1 oz. bottle.....25c 6 oz. bottle.....\$.85
3 oz. bottle.....50c Pint bottle..... 2.00

HILO OINTMENT

HILO DIP has killed the parasites but the sores will continue to irritate your dog a while longer. He is apt to keep on scratching and interfere with the natural healing process.

To give your dog **QUICK** relief, apply **HILO OINTMENT** to the sore spots twice a day for several days. Soon the irritation will cease, your dog will stop scratching and new hair will begin to grow.

1 oz. jar.....25c 3 oz. jar..... 50c

QUADINE

QUADINE is the greatest product ever developed for grooming the dog's coat and skin. QUADINE kills fleas and ticks.

Postpaid Prices

4 oz. bottle.....\$1.25 1/2 gallon.....\$5.90
12 oz. bottle..... 2.50 gallon..... 9.50

DELCREO

A tonic and conditioner for dogs. Used for internal medication to assist and stimulate the natural forces of the body in infections in the intestines, blood stream and other organs. Valuable in the prevention and treatment of distemper, coughs and colds, etc.

2 oz. bottle.....75c 4 oz. bottle.....\$1.50

FLEISCHMANN'S YEAST FOR DOGS

For sturdy growth and vigorous health, your dog needs vitamins. Fleischmann's dry yeast is rich in vitamins B1, G and D.

3 1/2 oz. pkg., 30c; 8 oz., 60c; 1 lb., \$1.00.

DOG WHISTLES

"THUNDERER"

We believe that the "Acme Thunderer" is the best whistle made. It is very loud and is easy to blow.

Small whistle\$.50
Medium whistle65
De Luxe whistle90
Buffalo horn whistle40
Dog head horn whistle40

COLLARS—LEADS—COMBS—BRUSHES

Write for Prices on Above

CARBOLA CONTAINS D. D. T.

The disinfecting white paint. Carbola completely disinfects, dries white, will not flake or peel. For trees, poultry houses, stables, basements, etc.

A powder, mix with water for paint. Use dry as a dust for disinfecting poultry houses, dog kennels, stables, etc.

1 lb., 25c; 5 lbs., 75c; 10 lbs., \$1.25; 25 lbs., \$2.75; 50 lbs., \$4.85.

For a Better Lawn and a Better Garden

LAWNS

Good seed is the basis of a good lawn. Almost any lawn seed will give promising results in the early spring, but for the satisfaction that only a rich, green turf can give, select your lawn seed with care. Our seed is carefully selected, tested for purity and germination and our mixtures are a balanced blend of the finest lawn grasses. Each package bears a label giving full information as to the quality.

SOIL ANALYSIS

The best seed will give only partial satisfaction under poor soil conditions. We will make a scientific analysis of your soil, give you a report and recommendations to improve poor soil. Bring or send us about a teacup of soil, gathered from about four inches below the surface, from four or five different spots in the lawn. Mix together. **DO NOT TOUCH THE SOIL WITH YOUR HANDS.**

We are making this soil analysis a service to our customers, and will be glad to analyze the soil for a charge of only \$1.00 (one dollar). Upon payment of this amount, with sample of soil, a due bill for \$1.00 good for any merchandise in our store will be given you, thereby making the scientific soil analysis without cost to you.

FERTILIZER

Soil needs plant food to keep it fertile. The use of fertilizer in your soil, to give the necessary plant food elements, can be wisely determined if a soil analysis is made, and fertilization is absolutely necessary for feeding the tiny plant roots.

WATERING

Keep a newly seeded lawn moist until germination begins. After the lawn is established, water well at least once every two weeks. Water thoroughly, so that the ground becomes wet at least five to six inches below the surface. As the sun dries the surface the roots go downward to obtain moisture. Do not sprinkle the lawn for short periods but **SOAK** your lawn when it is in need of moisture. Light watering only brings the grass roots toward the surface for moisture and the hot sun will burn or kill them as the surface soil dries.

CUTTING

Let the grass grow to 2½ or 3 inches tall before cutting, and then cut it no shorter than 2 inches. The clippings need not be raked or removed from the lawn, as these will aid in retaining moisture and protecting the lower portions of grass and tiny roots from exposure.



**BRING APRIL SHOWERS TO YOUR GARDEN
ANY TIME OF THE YEAR WITH "NATURAIN"**

CONNECTS IN A JIFFY. No constant shifting. No wasted water. Adjustable from 25 foot spray for lawns to 2 inch trickle for seedlings.

NATURAIN UNITS ARE 5 FEET LONG AND WEIGH ONLY 12 OUNCES. USE 5 FEET TO 30 FEET ON NORMAL HOME PRESSURE.

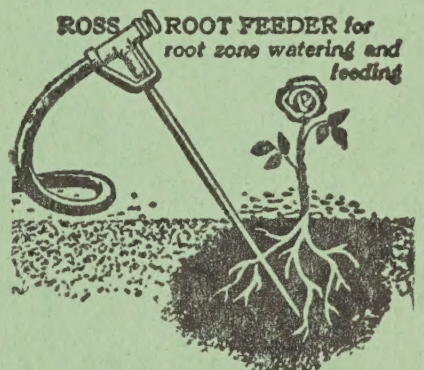
PRIMARY UNIT SECONDARY UNITS

\$2.95

\$2.49
EACH

THE ROSS ROOT FEEDER

ROOT-FEEDER lets the gardener water and feed plants in the root zone where it is most effective and least wasted. Root-Feeder is attached to standard garden hose; nutrient cartridge is inserted in cartridge chamber and after feeder is inserted in ground, valve is opened; the water dissolves the plant food and carries it into the soil. Plants can be root-watered any time during the day—no need to wait until sundown. **Ross Root-Feeder, with a dozen nutrient cartridges \$4.98. Additional cartridges, \$1 per dozen.**





ST. LOUIS SEED COMPANY'S

"PURE
AND
SURE"

HAVALAWN

GRASS SEED

FOR

LAWNS

411 NORTH BROADWAY ST. LOUIS

REG. IN U. S. PAT. OFFICE MARCH 23 1906